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JULY 24, 1948



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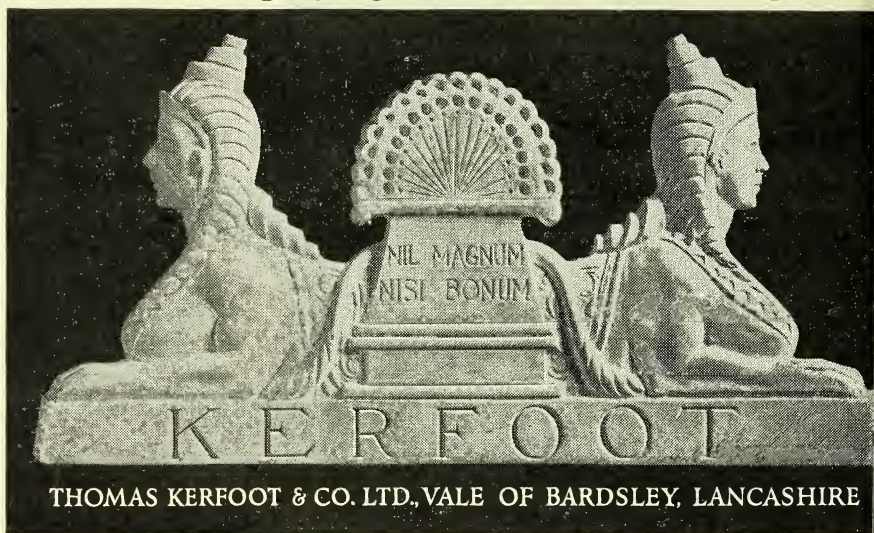
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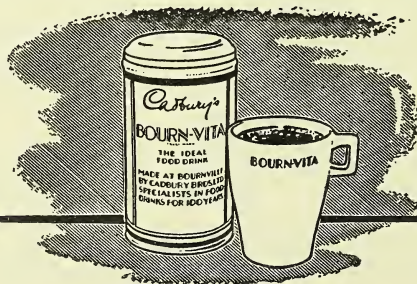
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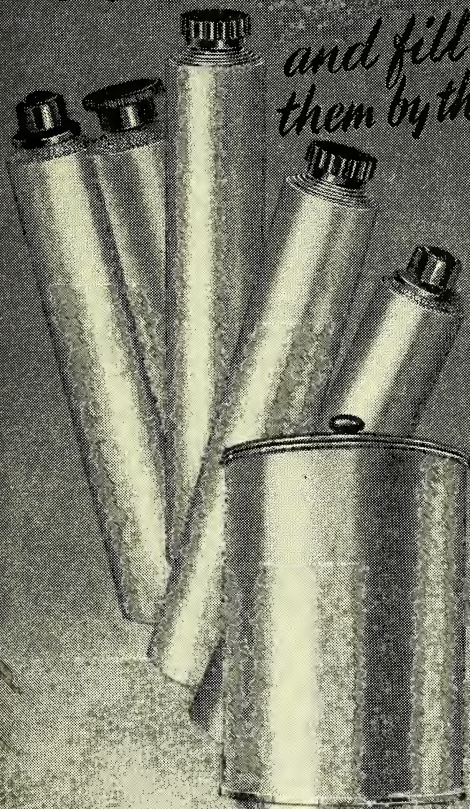
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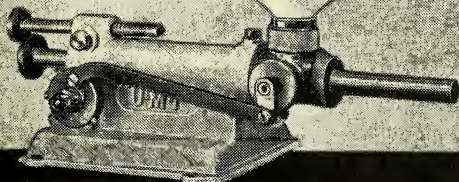
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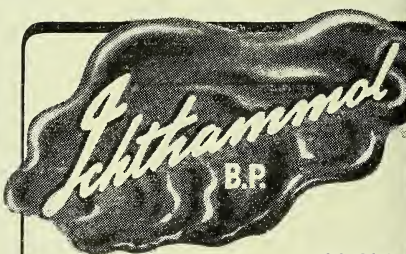
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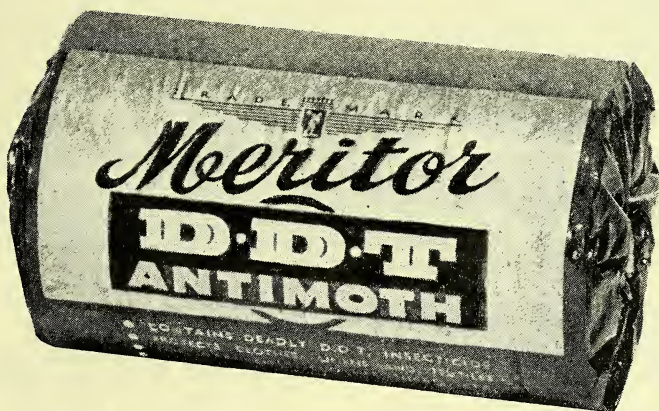
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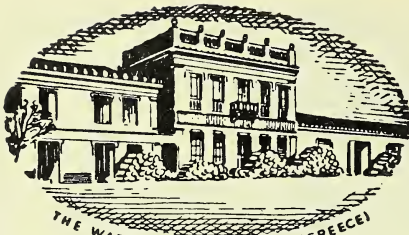
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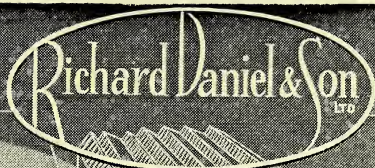
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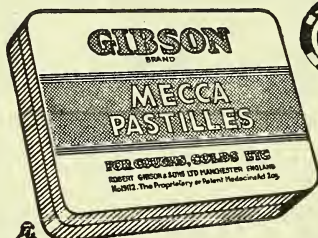
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hour-glass
waist*

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† 0.002 gramme

† 0.005 gramme

0.01 gramme

0.02 gramme

0.05 gramme

0.10 gramme

0.20 gramme

† newly introduced doses, available only in aqueous solution.

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sodium aurothiomalate
BRAND

is available in these doses
in single ampoules and in
boxes of ten ampoules

Other doses are available in aqueous solution and in oily suspension.

Aqueous solution supplied on all orders not specifying otherwise.

'MYOCRISIN'

for the treatment of rheumatoid arthritis



manufactured by

MAY & BAKER LTD

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"Leda"

D. D. T.

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Enquiries from Wholesalers invited.

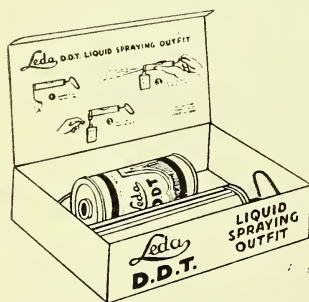
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(Bristol, 30th June, 1948)

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(Blackpool, 1st July, 1948)

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	Trade per doz. pkts.	Retail per pkt.
Junior	15/9	1/9
Standard	18/0	2/0
Large	22/6	2/6
Extra Large	27/9	3/1
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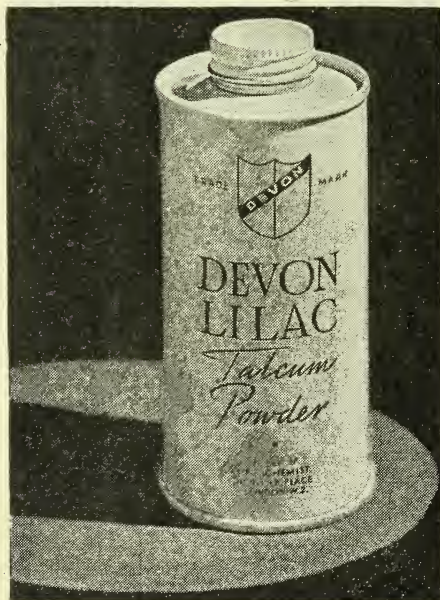
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The CHEMIST AND DRUGGIST



for RETAILER—WHOLESALE—MANUFACTURER

JULY 24, 1948

Published weekly at 28 Essex Street, Strand, London, W.C.2

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Single copies 1/- each. Annual subscription, which includes *The Chemist and Druggist Diary and Year Book*, 30/-

No. 3570

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NEWS OF THE WEEK

Pharmacopœial Changes.—Publication of the serial feature "B.P. Changes at a Glance" is deferred. No instalment appears this week.

Tax on Sponges.—The Commissioners of Customs and Excise announce that, from August 9, purchase tax will again be chargeable on unbleached sponges.

Import Control Notice.—The Board of Trade has issued Notice to Importers, No. 292, which incorporates all changes, in so far as they are still operative. The Notice gives lists of goods that may be imported under open general licence.

Nottingham University.—University College, Nottingham, has been granted full university status and all students entering from October are to read for Nottingham degrees. Lord Trent is to be the first chancellor and Mr. B. L. Hallward vice-chancellor.

Sweets Ration Reduced.—The ration of chocolate and sweets for the first ration period of 1948-49 which began on July 18, has reverted to 12 oz. Coupons for ration

period No. 1, are the four "D.1" and four "E.1" coupons on page 37 of the new ration book. The "D" coupons are worth one point and the "E" coupons two points each.

Soap Rationing.—Coupons available during ration period No. 1, which began on July 18, are the two upright pairs of small squares numbered K 1/2 and 3/4 on the large square No. 1. In ration books R.B.1 and R.B.4 the coupon numbered 1/2 is worth one ration and the coupon numbered 3/4 two rations of soap. The two whole coupons in ration book R.B.2 are each worth two rations of soap.

Chemical Industry Conference.—The sixty-seventh annual meeting of the Society of Chemical Industry was held in Edinburgh, July 12-17. Local industry figured in papers on the organic chemical industry in Scotland, Scottish shale oils as raw materials for chemical production, and resin chemistry. Production of mepacrine at the Grangemouth works of Imperial Chemical Industries, Ltd., was revealed as

120 tons (equivalent to 1,200 million tablets) in 1945; and of sulphanilamide 450 tons. The Lister Memorial lecture (on "The Device of Imitation of Molecules in the Biological Field") was read by Sir Robert Robinson, P.R.S.

Staff Outing.—The staff of Meggeson & Co., Ltd., London, S.E.16, held their annual outing to Clacton-on-Sea on July 17. The party was joined for luncheon by the company's managing director (Mr. R. Campbell Feather) and chairman (Mr. W. Wigglesworth).

South-eastern N.H.I. Statistics.—The report of the Joint Committee for Pricing Prescriptions (South-eastern Division) for 1947, issued recently, states that during the year 9,786,427 chemists' prescriptions (total value £847,060) were priced. Since 1916 198,074,458 prescriptions (total value £8,658,531) have been priced.

Catalogues Wanted.—The American Mission for Aid to Greece seeks catalogues, with prices and indications of delivery dates, from British manufacturers of pharmaceuticals (including sulphonamides, streptomycin, penicillin and mepacrine but not "luxury" proprietaries), surgical, veterinary and laboratory equipment, veterinary supplies, empty ampoules and phials. Interested suppliers are recommended by the Export Promotion Department, Board of Trade, to send the required information to the Counsellor (Commercial), British Embassy, Athens, Greece, with extra copies of catalogues for forwarding to the Foreign Trade Administration.

Chemists Federation.—At a meeting of the Chemists Federation Council held on July 1, the applications of John Knox (Midland), Ltd., 36 Dean Street, Birmingham, 5, for wholesaler membership, and of Musterole Fine Products Co., Ltd., Brook House, Park Lane, London, W.1 (products: Musterole and M.O. magnesia oil) for manufacturer membership, were accepted. The following additions to schedules of C.F. agreements were approved:—Hirst, Brooke & Hirst, Ltd. (Oralax); Rybar Laboratories Ltd. (Rybamide); and Wigglesworth, Ltd. (Opas-Ol). The following resignations from manufacturer membership were accepted:—Ainco (Manufacturing Chemists), Ltd.; Allcocks Products, Ltd.; and Franklin Laboratories, Ltd.

WORKS VISIT. Pharmacists from Harrogate and York photographed with the chairman (Mr. Geoffrey N. Hirst), directors and members of the staff of Hirst, Brooke & Hirst, Ltd., during a visit to the company's works at Sheepscar, Leeds, recently.

Examination Results.—The following have passed the B.Pharm. Examination for external students of the University of London:—Joan M. Blamires, W. H. Bruce G. Bryan, A. E. Bryant, D. M. Bryce, Cel G. Cox, Hazel J. Cracknell, G. R. Davenport, Jean B. Farmer, G. M. Fox, A. Green, G. F. Green, B. A. E. Harman, M. J. Hedge, S. D. Hitchens, H. C. Kalisch, Mary L. Knowles, G. R. Lowry, Mary K. Mann, Audrey Miller, Constance V. Parkes, J. C. Parkinson, W. Price, D. Ruxton, Juanita G. L. Thomas, F. D. P. H. Ward. The following have passed the examination for internal students:—W. E. Brocklehurst, S. Chattopadhyay, A. R. Cribb, Mary E. Hembridge, N. C. Holding, R. E. Marshall, Beryl M. Ruscoe, Barbara S. A. Smith, Joyce M. Stray, S. V. Vora.

T.S.A. Penicillin Licences.—Licences under the Therapeutic Substances Act 1925, for dispensing penicillin injections have recently been granted to:—

BLACKBURN:

C. R. Haydock, 51 Preston New Road, BOGNOR REGIS:

E. W. Thorp, Aldwick Road.

CHESTERFIELD:

A. Greaves & Son, 35 Market Place.

COLEFORD, GLOS:

F. R. Blanch, 32 Market Place.

DARLINGTON:

J. B. Hodgson, 14 High Row.

EGHAM, SURREY:

H. W. Herbert, 41 High Street.

GILLINGHAM, KENT:

Gillingham Co-operative Society, Ltd.

LETCHEWORTH, HERTS:

W. Hooper & Co., 53 Leys Avenue.



LONDON:

Boots, Ltd., 44 Regent Street, W.1.
 L. Hayward, 353 Archway Road, Highgate, N.6.
 T. James, 385 Durnsford Road, S.W.19.

DOWESTOFT:

E. C. Corkhill, 59 High Street.

LOCAL NEWS

London Chemists' Golf. — In a medal competition for the captain's prize (presented by Mr. D. T. Jones) played by the London Chemists' Golfing Society at Sudbury on June 24, Mr. Don Carter (5), 73 net, was the winner. A bogey competition for the Professor Flint trophy (presented by the International Bottle Company, Ltd.), was won by Mr. E. S. Hole (10), all square. A medal competition for the Mentholatum silver tankard, played at Burnham Beeches on June 27, was won by Mr. A. J. Campbell (18), 74 net.

Pharmaceutical Research Lecture. — At a meeting of the Dartford Branch of the Pharmaceutical Society on June 28 Mr. J. T. Marsh (Glaxo Laboratories, Ltd.) said research on new pharmaceutical products was carried out by teams consisting of organic and physical chemists assisted by biochemists and pharmacologists. Before marketing, all new drugs were submitted to exhaustive clinical trials. The pharmaceutical research workers' problems largely involved the final stages of manufacture and marketing, to ensure the best therapeutic presentation and packing, and to maintain maximum stability on storage. For the assay of many vitamin preparations micro biological methods were now being used.

Presentation to Cornish Secretary. — At the final meeting of the Cornwall (National Health Insurance) Pharmaceutical Committee held in Truro on July 2, a portable typewriter, subscribed for by members, was presented to the secretary (Mr.

Frustrated Exports.—The President of the Board of Trade recently announced at the Association of British Chambers of Commerce had undertaken to advise the Board regarding applications for permission to release for the home market frustrated export goods. These are goods which are stated to be shut out of the markets for which they were originally intended, and for which a buyer has not been found in alternative overseas markets. The Association has constituted an Advisory Panel which will draw upon the large reservoir of expert commercial opinion available to it throughout the United Kingdom. Information supplied by applicants will be treated confidentially. Applications should not be addressed to the Advisory Panel; they should be forwarded to the Government department which is the production authority for the goods in question, or, in the example of goods imported for re-export, the Import Licensing Department of the Board of Trade. Members of the Panel are: Messrs. John McLean, B.E., and A. H. S. Hinchliffe, D.L. (resident and deputy president of the association); Colonel R. H. Goldthorp, S.O., T.D., D.L. (chairman, overseas committee); and Mr. J. K. Tyre (member of executive council and overseas committee).



A. C. Cannon) by the chairman (Mr. A. F. Nicholls) in appreciation of Mr. Cannon's services. Acknowledging the gift, Mr. Cannon said he had been a member of the committee for thirty-four years, with periods of service as chairman, acting secretary and secretary. During that time the feeling between pharmacists had changed: a meeting was now looked upon as a gathering of friends, not an opportunity for finding out what competitors were doing.

Scottish N.H.I. Statistics.—In his report to the final conference of the Scottish Association of Insurance Committees, held in Perth on June 19, Mr. W. A. Beattie (superintendent, Central Checking Bureau) said that during 1947, for the fifty-four Insurance Committees in Scotland, 3,638,342 National Health Service prescription forms (total value £501,359) had been dealt with. 980,512 forms (total value £144,505) had been priced for the Northern Ireland Ministry of Health, and 150,493 forms (total value £23,270) for other public bodies in Scotland. During the year considerable help had been given to the Pharmacy Working Party in analysing the N.H.I. prescriptions dispensed in sixty representative pharmacies. Of 17,216 prescriptions thus investigated, 1,006 (5.84 per cent.) had been for tablets of phenobarbitone or its sodium salt.

IRISH NEWS

Chemistry Summer School.—The first summer school to be organised by the Irish Chemical Association was held in Dublin recently. Some 120 members attended, representing the staffs of universities and industrial firms, and chemistry students.

Chemists' and Druggists' Excursion.—The annual excursion of the Chemists' and Druggists' Society of Ireland was held to Ballywalter, co. Down, on June 30. The usual meeting was held in the Sunnyholme Hotel, at which the president (Mr. Fred Storey, C.B.E.), from the chair, welcomed as guests Mrs. E. Neville Browne, M.P.S., London, and Mr. J. C. Acheson (president of the Ulster Chemists' Association. A vote of thanks to Mr. H. McQuitty for having organised the excursion was proposed by Mr. Charles Abernethy and seconded by Mr. F. Boyle. The president was thanked on the motion of Mr. F. T. Smith, J.P., seconded by Mr. H. Johnston.

Display Competition Winners. — Winners in a recent window-dressing competition organised jointly by Goya, Ltd., and

the company's Dublin agents, M. G. Baynes & Co., Ltd., were: 1, T. R. Lester, Ltd. (MacCurtain Street, Cork, branch); 2, Roche's, Upper O'Connell Street, Dublin; 3, Arthur Mayne, Ltd., Pembroke Street, Cork; 4 and 5, divided between F. W. Brittain, Ltd., West Street, Drogheda, and David Roice, Main Street, Gorey; and 6, Miss K. O'Shea, Mount Merriion, co. Dublin. The judges included Messrs. P. A. Brady (president of the Pharmaceutical Society of Ireland), and J. J. Roche, M.P.S.I.

Eire Chemists' Golf.—The Irish Chemists' Golfing Society's annual three-day outing to Bundoran, held recently, was followed by the captain's dinner, which was presided over by Mr. A. Thornton, Enniscorthy. The attendance included Messrs. P. A. Brady (president, Pharmaceutical Society of Ireland), J. J. Roche (president, Irish Drug Association), and T. P. Togher, Dr. P. Daly, and Messrs. P. C. Cahill, M. Costello, S. J. Savage, Sylvester O'Farrell, W. R. Such and W. J. Webb. The captain, after welcoming the visitors, handed to Mr. Brady a cheque for £5 5s. for the Society's Benevolent Fund. The winners of the competitions were as follows: Four-ball bogey nine holes, Messrs. E. McManus (13) and W. J. Webb (16), 2 up. Four-ball (best ball) nine holes, Messrs. A. Thornton (10) and M. Daly (14), 34½. Eighteen holes strokes, Mr. P. McAuliffe (15), 73. Four-ball bogey nine holes, Messrs. W. J. Webb (14) and P. Fullam (19), 5 up. Bogey singles eighteen holes, Mr. J. J. Roche (7), 2 up. Captain's prize (eighteen holes strokes), Mr. P. McAuliffe (15), 70. Scotch foursomes (nine hole), Messrs. J. Gilmartin and P. Fullam, 34.

OVERSEAS NEWS

Canadian Cellulose Sponges. — Commercial production at a cellulose sponge plant to be built in Quebec at a cost of \$600,000 is expected to make Canada independent of present imports.

Ex-axis Firms in Mexico.—The Mexican Government intends to nationalise pharmaceutical and chemical firms seized during the war from the Axis Powers, but is to compensate the original owners.

Anti-typhus Measures. — The South African department of Health is distributing a 10 per cent. DDT powder free to natives in typhus areas, as part of control measures against the disease.

TOPICAL REFLECTIONS

Radioactive Isotopes

The editorial article on dangers arising when handling radioactive isotopes (p. 85) and the account of recent research carried out with them in the United States (p. 79) are a warning to all whose occupations bring or are likely to bring them into contact with these powerful substances. In a copy of "The Saturday Evening Post" lately sent me there is a well-informed article on hyperthyroidism and hypothyroidism; after describing the action of thiouracil, the article deals with the use of radioactive iodine in measuring thyroid activity. In one hospital, volunteers have submitted themselves to a routine test for this measurement. A draught of water containing radioactive iodine is given; then, at twenty-minute intervals, a Geiger-Müller counter placed against a volunteer's neck registers the amount of iodine taken up by his thyroid. Thiouracil or another chemical acting in opposition to iodine is afterwards administered, and the rate of iodine uptake stops increasing. The risks to patients from thiouracil on the one hand and from radioactive iodine on the other are fairly well known: the risks to medical men and their assistants in receiving and supplying the latter substance are probably much more formidable. In the article mentioned it is stated that doctors and nurses practising this technique use lead-glass shields and long-handled tongs, and wear lead-impregnated gloves and aprons. It is clear that, unless every reasonable precaution is taken, there is likely to be a series of fatal illnesses comparable to those that accompanied experiments with x-rays soon after their general adoption for scientific purposes.

Overrated Vitamins

The essay or article by Dr. H. E. Magee abstracted on p. 91 ably states the case for common sense in prescribing vitamins. Many pharmacists in business can, I believe, substantiate from their own observation some of the conclusions put forward by Dr. Magee. It must have been a common experience during recent times to supply vitamins, single or combined, to customers who have been taking them continuously since they were first prescribed five, ten or more years ago. And in some cases there has been no prescription but only a recommendation by a neighbour whose doctor is reported to have said that these vitamins were worth trying. The

author effectively makes the point that there is no more reason for massive and sustained dosage with vitamins than for similar dosage with any other food adjunct or tonic. "A state of super-functioning is not physiological . . . except temporarily to meet special circumstances." Further, the requirements of patients differ so much that to attempt to lay down rigid rules for vitamin intake would be futile. It may be added that, while the margin of safety against overdoses is large, hypervitaminosis is a possibility to be taken into account. The author's concluding remark that "to avoid any risk of untoward effects it would be better to administer combinations of vitamins in moderate doses rather than single vitamins in large doses" indicates the path of safety.

"Simple Household Remedies"

Distinguished members of Parliament appear to live in a strange world, a world apart from ordinary daily life. On p. 77 you have printed a reply by the Parliamentary Secretary to the Ministry of Health to a short debate on the cost of "some" proprietary medicines. We will hope that the Parliamentary Secretary did not misquote the title of the Venereal Disease Act, 1917, as he is reported to have done; we read that he credited an improvement in the position—presumably in the wording of advertisements—to "a fair amount of voluntary action"; and he was modest in his claim for the part played in this matter by his Ministry. But let us note what follows. "It is for the public to be educated to weigh carefully the advantages of what they get against the costs." What public is alluded to, and by whom is the education to be undertaken? Harassed housewives, weary with lining up for their shopping purchases, would reject with vigour any suggestion that they need educating on the relation between cost and efficiency. Again, it may be asked what is meant by "simple household remedies," on which the Parliamentary Secretary has bestowed his blessing? The fact is that heads of families are not so entirely uneducated as eminent parliamentarians seem to assume. As has been well said, pharmacists are the trustees for public health in the all-important department of the supply of medicines. No one can take their place. The remark may be equally well applied to manufacture, wholesale and retail transactions.

Xrayser

COMPANY NEWS

FLEMING (GLASGOW), LTD. (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, etc. James B. Fleming and Lewis R. Chester, directors. R.O.: 21 Hanover Street, Liverpool, 1.

GLENFORD, LTD. (P.C.).—Capital £200. To carry on the business of manufacturers of drugs, chemicals, medicines, etc. John M. Glen and Isabella M. Glen, directors. R.O.: Park House Farm, Worsley, Manchester.

A. ALLAN BONE, LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale and retail chemists and druggists, etc. Madeleine Bone and John R. Bone, directors. R.O.: 59 High Street, Chislehurst, Kent.

CROSS (CHEMIST), BANBURY, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, etc. First directors are to be appointed. Solicitors: E. Lamley Fisher & Son, Banbury.

CHEMOGIENE PRODUCTS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of cosmetic articles, chemicals, toilet preparations, etc. Benjamin Barnard and Adrian Ter-Berg, directors. R.O.: 117 Maida Vale, London, W.9.

THOMSON, SKINNER & HAMILTON, LTD. (P.C.).—Registered in Edinburgh.—Capital £200,000. To carry on the business of chemical manufacturers and merchants, manufacturers of scientific instruments, etc. Henry Cliff, Lynton, Helensburgh, subscriber. First directors are to be appointed.

WRIGHTS CHEMICAL CO., LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of chemicals, disinfectants, etc. William F. T. Wright, Sidney S. Pollard, M.P.S., and Zillah Wright, directors. R.O.: 90 Eden Street, Kingston-on-Thames, Surrey.

SALVADORA PRODUCTS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of pharmaceutical and chemical preparations, toilet requisites, etc. First directors are not named. Solicitors: Slaughter and May, 18 Austin Friars, London, E.C.

A. E. IFE (MALDON), LTD. (P.C.).—Capital £6,500. To acquire the business of a wholesale and retail chemist and druggist, etc., carried on by Alfred E. Ife at Maldon and Southminster, Essex. Alfred E. Ife, M.P.S., and Doris E. Ife, directors. R.O.: 46 High Street, Maldon.

CAMBROSE, LTD. (P.C.).—Capital £500. To carry on the business of manufacturing, wholesale or retail chemists, etc. Hyman D. C. Canton, Victor Canton, Ben Canton, Minnie Canton and Mendel Gurdus, directors. R.O.: 67 Singleton Road, Salford, 7.

C. S. TURNBULL (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing and retail chemists and druggists, etc. Olive B. Turnbull and Jesse Creasey, M.P.S., directors. R.O.: 100 Alexandra Park Road, London, N.10.

T. & J. GOVER, LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturing and general chemists, etc. Thomas R. Gover, M.P.S., Joan P. Gover and Harold M. Sampson, directors. R.O.: 10 Walton Street, Walton-on-the-Hill, Surrey.

CHEETHAMS (CHEMISTS), LTD. (P.C.).—Capital £8,500. To carry on the business of manufacturing and general chemists, etc. Harry Cheetham, Stanley Cheetham, and Lionel Levens M.B.E., M.P.S., directors. R.O.: 139 Manchester Street, Oldham.

BRUNO COURT, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of, and dealers in, essential oils, synthetic aromatics, etc. Marie E. Bouge, Philip T. Petley, Louis de Chauvigny and Lawrence V. Smith, directors. R.O.: 57 New Bond Street, London, W.1.

BARLEY (CHEMIST), LTD. (P.C.).—Capital £7,500. To acquire the business of a chemist carried on by Oliver J. Barley at Thame and Princes Risborough. Oliver J. Barley, Leonard T. Gadge, M.P.S., John H. Hubbard, M.P.S., and Arthur T. Goodchild, directors. R.O.: 19 Corn market, Thame, Oxon.

EASTERN PERFUMERY CO., LTD. (P.C.).—Registered in Edinburgh.—Capital £3,000. To carry on the business of manufacturers of, and dealer in, cosmetics, etc. A. G. Fisher, John Gray and George Gallagher, directors. R.O.: 6 Whitehill Gardens, Glasgow, E.1.

A. R. CROSS (PIERCE), LTD. (P.C.).—Capital £5,000. To acquire the business of chemists and druggists lately carried on by W. G. Pierce's Pharmacy, Ltd., at 172 Baker Street, Enfield, Middlesex. Arthur R. Cross, M.P.S., and Douglas G. Cross, directors. R.O.: 476 Hertford Road, Enfield.

DUNCAN, FLOCKHART & Co., LTD. (P.C.).—Registered in Edinburgh. Capital £130,000. To acquire the business of manufacturing, wholesale and retail chemists carried on as Duncan, Flockhart & Co. R. L. Kirkcaldie, W. J. Gray, M.P.S. Henry J. Baker, and Henry G. Baker, directors. R.O.: 104 Holyrood Road, Edinburgh.

DOLPHIN HOUSE, LTD. (P.C.).—Capital £5,000. To acquire the business of dispensing, agricultural and manufacturing chemists carried on by A. C. Pollard at Tetbury, Glos. Louis B. Nevill, John L. Nevill, Edmund J. Houghton, M.P.S., and Allix F. G. Farmer, directors. R.O.: 14 Lon Street, Tetbury.

SOUTH AFRICAN DRUGGISTS, LTD., Johannesburg.—Mr. Desmond J. Kinlay, M.P.S., has been appointed a director.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—An issue is to be made of 10,093,023 £1 ordinary shares to ordinary stockholders, in the proportion of one new share for each five units held, at a price of 40s. 6d. each. Both ordinary and preference stockholders are given the opportunity to apply for any excess shares not applied for as of right.

BOOTS PURE DRUG CO., LTD.—The following have been appointed directors of subsidiary companies: Messrs. S. Harker-Smith, M.A., C. Harding, M.P.S., and R. C. M. Dickson, M.P.S. (Boots Cash Chemists (Northern), Ltd.); Mr. J. I. Morgan, M.P.S. (Boots Cash Chemists (Western) Ltd.); Mr. W. E. Gough, M.P.S. (Boots Cash Chemists (Lancashire), Ltd.).

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. EDITH SUMMERSKILL (Parliamentary Secretary, Ministry of Food) told SIR THURBERT HEADLAM on July 12 that about 213,000 tons a year of hard soap goes to the general public and about 5,000 tons a year to non-domestic users against permits.

Groundnut and Olive Oils

MR. PETER FREEMAN asked the Minister of Food on July 14 whether, in view of the continued shortage of olive and other oils, he could arrange for the importation of a supply of groundnut oil as a suitable substitute. DR. SUMMERSKILL replied that all the groundnut oil that could be obtained was needed for rationed foods; none could be spared for use as salad oil. "But I am glad to say that olive oil supplies should shortly be back to the pre-war level."

Poliomyelitis Supports

The Chancellor of the Exchequer was asked on July 15 whether he would add poliomyelitis to the list of diseases for which surgical supports might be supplied free of purchase tax, and MR. DOUGLAS HAY replied "Yes."

National Health Service

MR. GEORGE THOMAS asked the Minister of Health on July 15 whether arrangements had been made under the National Health Service Act for chemists and dispensers in Cardiff to maintain a late service for urgent cases. MR. ANEURIN BEVAN replied that a rota scheme had been in operation since July 5. He informed Mr. H. E. Randall, who asked whether doctors, under the new Health Service, would be free to prescribe for their patients, without restriction, every kind of drug and appliance necessary for their treatment, and not have to work within the limits of averages of cost per insured person, that a doctor has a duty to prescribe under the National Health Service all drugs necessary for the proper treatment of the patient without any limit of cost whatever, as well as the appliances prescribed in the General Medical and Pharmaceutical Regulations. Other appliances would be obtained through the hospital service.

Streptomycin

GROUP-CAPTAIN C. A. B. WILCOCK asked the Minister of Health on July 14 to what extent streptomycin was in short supply in

this country because of the cost in dollars of its purchase in America, and whether he would outline the present supply position. MR. B. LEVY asked the Minister how the medical advisers to his Department assessed the value of the drug, and whether its availability in this country was limited by any other factor than unavoidable scarcity. MR. C. J. SYMONDS asked how many patients were on waiting lists unable to obtain treatment for lack of the drug.

MR. BEVAN: Streptomycin is not in short supply because of its cost in dollars. Production on quite a large scale over here has begun. Already, together with purchases still being made from the U.S.A., it is enough to cover all medical needs for which the use of the drug is so far reliably indicated—and shortly it should do so without any need for purchasing abroad. I am advised as to the purposes just mentioned by the Medical Research Council. There is still some limitation of suitably staffed beds and therefore some waiting lists, but—now that I am in a position to do so, since July 5—I am asking all regional hospital boards to arrange additional facilities wherever they can.

BUSINESS CHANGES

MR. SAMUEL HILL, M.P.S., has opened a pharmacy at the Cross, Carfin, Motherwell.

MR. E. WILLARD JENKINS, Ph.C., has been appointed chief pharmacist to the Royal South Hants Hospital, Southampton.

MR. D. K. WAITE, M.P.S., has acquired the pharmacy at 86 Barkerend Road, Bradford, formerly carried on by Mr. R. H. Stephenson, M.P.S.

CRACK PULVERISING MILLS, LTD., 49 Eastcheap, London, E.C.3. The company's telephone number has been changed to Mansion House 4406.

BRISTOL CO-OPERATIVE PHARMACIES, LTD., have acquired the pharmacy of Mr. D. A. Ball, M.P.S., 67 Wells Road, Bristol, 4, and have opened a new pharmacy at Frome Valley Road, Stapleton, Bristol.

THE BOARD OF TRADE EXPORT LICENSING BRANCH is transferring on August 3 that section at present operating from 4 Fenchurch Avenue, to Regis House, King William Street, London, E.C.4 (Telephone: Avenue 3111. The headquarters of the branch remains at Stafford House, King William Street, London, E.C.4 (Telephone: Mansion House 4555).

COMING EVENTS

Wednesday July 28

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Hopwood Golf Club, Middleton (No. 17 bus from Cannon Street). Four-ball Stabieford competition for Robinson's prize.

BIRTH

MCNEILL.—On July 6, the wife of John A. McNeill, M.P.S.N.I., 1 Salisbury Gardens, Belfast, of a daughter.

MARRIAGE

TWEEDY — DAVIES. — At Upton-by-Chester, on July 16, George D. Tweedy, Brackpan, South Africa, to Therese Davies, younger daughter of Mr. Clwyd Davies (a representative of Evans Medical Supplies, Ltd.), Moston-by-Backford, Chester.

DEATHS

COATES.—On July 1, after a short illness, Mr. Udolphus Aylmer Coates, M.P.S., 255 Coalclough Lane, Burnley, Lancs, aged ninety. Mr. Coates qualified in 1882. After experience in retail and hospital pharmacy he joined Parkinsons, Ltd., Burnley, in 1888, and remained with the company as head chemist and analyst for forty years until his retirement. Mr. Coates was the first chairman of the Burnley Branch of the Pharmaceutical Society and a founder member of the North of England Branch of the Society of Public Analysts. He was also a prominent Freemason.

DRUMMOND.—At Dunalister, Major's Loan, Falkirk, Stirlings, on July 2, Mrs. Jessie Wishart Drummond, widow of the late Mr. Robert Gordon Drummond, M.P.S.

FAIRBAIRN.—On July 6, Mr. James Fairbairn, M.P.S., 103 Longley Road, Tooting, London, S.W.17, aged sixty-six.

HENLEY.—On June 21, Mr. George Henley, 27 Ashburnham Road, Hastings, formerly of Lyme Regis, Dorset, aged eighty-six. Mr. Henley qualified as a chemist and druggist in 1888.

INNES.—At a nursing home in Edinburgh, on July 7. Mrs. Margaret Innes, widow of the late Mr. George Innes, M.P.S., Edinburgh.

KEARNEY.—On July 3, Mr. Alfred Kearney, M.P.S., 11 Nelson Road, Greenwich, London, S.E.10, aged fifty-eight.

LANGHAM.—On July 1, Mr. Ebenezer Langham, M.P.S., Elmcott, Bursledon, nr. Southampton. Mr. Langham qualified in 1896.

LILLIS.—On July 17, Mr. John Placid Lillis, M.P.S., 155 Carshalton Road West, Sutton, Surrey, aged fifty-seven. Mr. Lillis was for many years on the executive staff

in London of Timothy Whites & Taylors Ltd. For the past four and a half years he had been superintendent director of Heppells (1932), Ltd.

MORRIS. — On July 5, Mr. John Elia Morris, M.P.S., 28 Jepson Road, Shiregreen, Sheffield, 5. Mr. Morris qualified in 1910.

NESS.—At 11 Lauriston Place, Edinburgh, on July 4, Mrs. Mary McCulloch Ness, widow of the late Mr. Thomas Ness M.P.S.

ROBB.—At Quarrylands, Exeter, Devon on July 12, Mr. William Austin Robb M.D., F.R.C.P., pathologist to the Royal Devon and Exeter Hospital, aged fifty-five. Mr. Robb qualified as a Pharmaceutical Chemist in 1914 and served with the Royal Army Medical Corps in the 1914-18 war. He qualified M.B., B.S., in 1924, as M.D. London, in 1926, and became a Fellow of the Royal College of Physicians in 1945. Dr. Robb was a member of the action and uses committee of the Codex Revision Committee. He contributed a number of papers to the medical Press, including "The Siler Gap in Blood-pressure Estimations" and "Fractional Test Meals."

SALTHOUSE.—At Ancoats Hospital, Manchester, on July 6, Mr. Richard Salthouse M.P.S., 307 Oxford Road, Manchester, aged fifty-eight.

SCOTT. — At Midknock, Westerkirk, on July 11, Mr. John Ernest Hamilton Scott M.P.S., 37 High Street, Hawick, Roxburgh. Mr. Scott had been in business in Hawick for thirty-four years. He served his apprenticeship with Wilson & Paine, chemists, Hawick, and had London experience with Allen & Hanburys, Ltd., and Savor & Moore, Ltd., before returning to Hawick in 1914 to take over for Mr. R. K. Kennedy the business of David Kennedy which he carried on under that name until his death.

SULLIVAN.—On July 12, after a short illness, Mr. Bartholomew Christopher Sullivan, M.C.P.S.I., Mallow, co. Cork. Registered in 1943, Mr. Sullivan joined the Council of the Pharmaceutical Society in November 1947. He had been associate with pharmacy in the south of Ireland for many years and was the proprietor of a business at Mallow. He was closely associated with the work of the Cork Guild of Pharmacy. At the obsequies, Mr. Sullivan's southern colleague at Lower Mount Street attended as the personal representative of the president and Council.

PERSONALITIES

MR. JOHN FARRER BARNES, M.P.S., has been appointed president of the Garston Rotary Club. Mr. Barnes, who was formerly manager of the business of L. W. Mussel, Ltd., is a director of J. Farrer Barnes, Ltd., Chemists, Liverpool and Garston.

MISS DOROTHY M. JONES, M.P.S., who has been elected for

a further term of office as president of the National Association of Women Pharmacists, has been a member of the Association committee for ten years. She has held office as assistant employment secretary, and from 1941-47 was publications officer. Miss Jones served her apprenticeship with Lady Chemists, Ltd., Mill Hill,



London, N.W.7. After qualifying in 1929 she spent a few years in retail pharmacy before becoming an assistant pharmacist at Croydon General Hospital. In 1938 she was appointed pharmacist to the Polingbroke Hospital, Wandsworth Common, London, a post she still holds. Miss Jones is on the committee, and a former vice-chairman, of the London Branch, Guild of Public Pharmacists.

MR. T. H. WALTON (managing director of Kempac, Ltd., Batley, Yorks) has retired after forty-five years' service with the company. Before retiring he presented his workpeople with £1 for each year of completed service.

MR. ANTHONY QUAYLE, grandson of the late Mr. John Overton, a director of Robert Sumner & Co., Ltd., wholesale chemists, Liverpool, has been appointed the theatre director at Stratford-on-Avon. Mr. Quayle is an actor, producer and novelist.

MR. WALTER R. BEARDSLEY (president of Miles Laboratories, Inc., Elkhart, U.S.A., and a director, Miles Laboratories, Ltd., Bridgend, Glam.) has been elected president of the Proprietary Association of America.

MISS S. M. BAIKIE, daughter of Mr. John Baikie, M.P.S. (proprietor of Iliffe & Sons, Market Place, Nuneaton, Warwickshire) has gained her B.Sc. degree in chem-

istry, Birmingham University. In September Miss Baikie is to take up an appointment on the research staff of Glaxo Laboratories, Ltd., Greenford, Middlesex.

MR. F. J. BOLTON, B.Sc., F.R.I.C., the secretary and treasurer of the Edinburgh Section, Society of Chemical Industry, who in that capacity took a leading part in organising the annual meeting of the Society in Edinburgh (see p. 101) is works manager of J. F. Macfarlan & Co., Edinburgh. He entered the pharmaceutical industry in London on leaving school, and after part-time study in chemistry, graduated from Birkbeck College, University of London. Mr. Bolton has published a number of papers on pharmaceutical chemistry. He has held his present post with J. F. Macfarlan & Co. since 1941.

MR. W. T. ELDER, M.P.S., who has been elected to a second term of office as president of the Aberdeen Pharmaceutical Association, owns three pharmacies in Aberdeen. Apprenticed with the late Mr. P. A. Abel, Inverurie, Aberdeens, he qualified in 1922, and after serving as assistant with Messrs. R. Gordon Drummond, Falkirk, and A. P. Wallace, Aberdeen, commenced business



on his own account at 176 George Street, Aberdeen, in 1927. Mr. Elder has taken an active interest in pharmaceutical affairs in Scotland. He has been a member of the Executive Council of the Scottish Pharmaceutical Federation since 1935, a member of the C.F. Council for four years, and is the present chairman of Scottish C.F. Committee. He was a member of the Scottish Standing Committee on N.H.I. and of the General Council of Panel Chemists, Scotland, and for the past seven years he has served as secretary of the Aberdeen and North-eastern Scottish Branch of the Pharmaceutical Society. He is secretary of the Tocher Medal Committee, a member of the Aberdeen Pharmaceutical Committee (under N.H.S.), and was chairman of the C.F. propaganda committee, 1946-48. He has just been elected to the Executive of the North British Executive of the Pharmaceutical Society.

TRADE NOTES

Shampoo Restyled.—A "new look" has been given to the pack of Camilatone shampoo by the manufacturers, Camilatone Ltd., Welsh Harp, Hendon, London, N.W.9. The new pack is illustrated on another page.

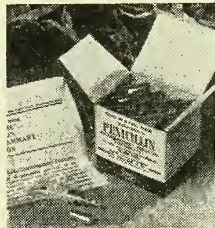
Heaviest Advertiser.—A. Ibbetson & Co., Ibcot Works, Great North Road, Stevenage, Herts, record that in recent months they have been the largest advertiser in the field of germicides and disinfectants.

Price Correction.—The price of Zems herbal liquorice tablets was incorrectly reproduced upon an illustration of the tin in the company's announcement in the *C. & D.* last week. The correct price is 1s. 4½d. per tin.

Bunion Salve.—A bunion salve introduced by Clay & Abraham, Ltd., 87 Bold Street, Liverpool, 1, has been tested out clinically before marketing and "found to be extremely efficacious." The salve, which is in screw-capped glass pots, is non-greasy.

Unsigned Orders.—Keene's Laboratories, Ltd., Elswick Road, Newcastle-on-Tyne, 4, state that many order cards have been returned to them without the name and address of the sender. Any chemist who has ordered Perox Chlor but not received it is asked to communicate with the company.

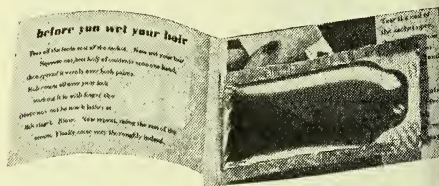
Veterinary Penicillin Injection.—Burroughs Wellcome & Co., 183 Euston



Road, London, N.W.1, have introduced Wellcome brand penicillin intramammary injection in single-dose collapsible tubes for the treatment of bovine mastitis. The nozzles of the tubes are specially designed to facilitate insertion into the teat canal. The method facilitates speedy administration, and eliminates the risk of udder tuberculosis transmitted by injection instruments. An infected quarter may be treated in a few seconds, and the empty tubes are discarded after use.

Freely Available.—R. Demuth, Ltd., Farnham, Surrey, are now offering freely their Spic colour-tone hair rinse, which is based on patents covering the use in this type of preparation of new chemicals to afford increased "fixation" and improve lustre and colour gradation.

Novel Sachet Pack.—Bandbox cream shampoo for dry hair has been made available by the manufacturers, Ashe Laboratories



Ltd., 120 Victoria Street, London, S.W.1, in a novel and attractive individual pack. The cream is contained within a shaped sachet one end of which is crimped into the spiral of a card folder. The card, both open and closed, is shown in the illustration above.

Distribution Change.—John Knox (Stoke-on-Trent), Ltd., Jaynox Work King Street, Fenton, Stoke-on-Trent, have been appointed by MacLennan Brand Products, Ltd., 9 Montrell Road, London, S.W.2, the sole distributors of Pheriban tablets. The product has been accepted for the G.F. list.

Hairbrushes.—F. Greif & Co., Ltd., 17 Regent Street, London, W.1, offer delivery within four weeks under present conditions of their Paragon ladies' and gents' wooden backed, rubber-cushioned hairbrushes, constructed with wire pin, plastic pin or Nyle tuft. Details of new prices may be obtained from the company on application.

Advertised Hand Cream.—To link up with advertisements now appearing in the Press for Marion Moore's witch-hazel jelly the makers, Hannelta, Ltd., Humbly Grove, London, N.W.2, offer attractive d

lay material. The distributors to chemists are E. Davids & Co., Ltd., 378 Essex Road, London, N.1.

Lipstick Colour Chart.—A showcard giving the actual shades of the seven varieties of Goya Grandee lipstick has been issued by Goya, Ltd., 161 New Bond Street, London, W.1. The same makers' travel-size perfumes, to which attention was recently drawn in these columns, contain sufficient for two or three weeks' use and are thus ideal for use on holiday. They are not in the accepted sense "trial" perfumes.

Raw Materials.—Among advertisers whose announcements in this week's issue are devoted to crude drugs, essential oils or materials for use in manufacture are W. M. DELF (LIVERPOOL), LTD., Delco Works, Liverpool, 9 (soft and liquid soaps); A. G. HERSOM, 142 Canbury Park Road, Kingston-on-Thames (essential oils and perfume compounds, including materials matched against customers' samples); KIMPTON BROS., LTD., 110 Fenchurch Street, London, E.C.3 (Red Carnation brand gum tragacanth); J. F. MACFARLAN & Co., 92 Abbeyhill, Glasgow (drugs and opium alkaloids); and STAFFORD ALLEN & SONS, LTD., Wharf Road, London, N.1 (essential oils).

Holiday Closing.—A. DE ST. DALMAS & Co., LTD., Junior Street, Leicester, announce a "staggering" arrangement for the annual holiday at the works. The holiday will be spread over three weeks, July 23 until August 16. During the period July 29-August 9 only a skeleton staff will be available at the works. Urgent items will have special attention. — RICHARD DANIEL & SON, LTD., announce that their offices, warehouses and laboratories at Derby and Ashton-under-Lyne will be closed for August bank holiday from Friday evening, July 30 to Tuesday morning, August 3.—The offices and warehouse of GENATOSAN,

LTD., Loughborough, Leics, will be closed from 5 p.m. on July 30, until 9 a.m. on August 3 (urgent supplies from John Bell & Croyden, Wigmore Street, London, W.1).—The offices and works of GLAXO, LTD., Greenford, Middlesex, will be closed from Friday evening, July 30, until Tuesday morning, August 3. Emergency orders will be dealt with on July 31 from 8.30 a.m. until noon.—The offices and factory of HIRST, BROOKE & HIRST, LTD., Sheepscar Works, Leeds, 7, will be closed from Friday evening, July 30, until Wednesday morning, August 4.—The works of R. HOVENDEN & SONS, LTD., 41 Britannia Row, London N.1, will be closed from Friday evening, August 6, until Monday morning, August 23.—The Old Trafford works of PHARMACEUTICAL LABORATORIES GEIGY, LTD., National Buildings, Parsonage, Manchester, 3, will be closed for the annual holiday from July 24 to August 2, 1948, inclusive. The head office of the company will be open as usual during the works holiday week.—The order department of PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, will be closed from noon on July 30 until 9 a.m. on August 3.—The laboratories and offices of SHARPE & DOHME, LTD., West Hill Laboratories, Hoddesdon, Herts, will be closed from Friday evening, July 30, until Tuesday morning, August 3. (Urgent requirements from John Bell & Croyden, 50 Wigmore Street, London, W.1.)

Proprietary Articles Trade Association

Alterations to Protected List (Part 1).—*Musterole Fine Products, Ltd.* (distributors, *Thos. Christy & Co., Ltd.*). Bonus terms to retailers: M.O. magnesia oil, one doz., invoiced as eleven only. *Musterole* brand mustard ointment, one doz., invoiced as eleven only; four free pots with each order for three doz. (i.e., three doz. and four pots invoiced as three doz.).



SPEEDIER DELIVERY SERVICE.—Fleet of delivery vans assembled by Allen & Hanburys, Ltd., Bethnal Green, London, E.2, to enable orders received from destinations serviced each week to be dispatched

within four working days, and orders from destinations serviced fortnightly and monthly to be dispatched within five working days if received five days prior to scheduled time of departure. Chemists are invited to write for the special order forms now available to customers from the company's offices.

INQUESTS

Took Sodium Nitroprusside. — At an inquest in Southampton recently on a patient who had been found dying at the Southampton borough hospital, and later died, an empty bottle that had contained sodium nitroprusside was stated to have been found beside the bed. The bottle had been kept in a room outside the ward. A verdict of death from poison self-administered was returned.

Overdose of Barbiturate. — An open verdict was recorded at Lewisham recently on a veterinary surgeon found dead in his surgery after taking an overdose of a barbiturate. A surgery assistant said that her employer was taking tablets of a barbiturate for sleepiness; he had been worried on a professional matter. A pathologist said that it was possible for an overdose of the drug to be taken accidentally, previous doses having been forgotten.

Sulphonamide Sensitivity. — At an inquest at Cardiff recently on a woman who had died after taking sulphathiazole tablets administered in the treatment of pneumonia, the prescriber stated that, two days after the course of tablets was commenced, the woman's condition deteriorated and a rash developed. A pathologist considered that the woman had been particularly sensitive to the drug; in his opinion death was due to necrosis of the liver and spleen caused by the sulphathiazole. The verdict given was of death by misadventure, in accordance with medical evidence.

Supply of Drugs Queried.—At a Suffolk inquest recently on a thirty-three-year-old woman a doctor stated that he had found the woman, his patient, dead in her room. Nearby was a box containing four barbitone tablets. He had given her seven the previous evening. He was surprised to find death had occurred so quickly because three of the tablets would have produced deep unconsciousness. The doctor was not satisfied as to where the woman had obtained the drugs responsible for death. The coroner returned a verdict of suicide while the balance of the mind was disturbed.

"Death by Misadventure."—At an inquest at Greenwich recently on Mr. Alfred Kearney, manager of Foster & Sons (Kent), Ltd., 11 Nelson Road, London, S.E.10, who had died in hospital from morphine poisoning, a verdict of death by misadventure was returned. Mr. Kearney qualified as a

chemist and druggist in 1911. Mr. C. H. Foster, M.P.S., said he had formed the opinion that, on the day before Mr. Kearney died, he had been drinking whisky. Mr. Kearney told him that he had taken two drachms of morphine. Returning the verdict the coroner said that Mr. Kearney had probably taken the two drachms of morphine without realising what its effect would be.

LEGAL REPORTS

Pharmacy Act Fines.—At Nuneaton police court recently, Nuneaton Co-operative Society, Ltd., were fined £3 on each of five charges relating to the sale by retail, at their premises at The Square, Attleborough, of a poison contained in a medicine. It was stated in court that when the inspector of the Pharmaceutical Society visited the shop he was told the qualified chemist had left the previous day on his honeymoon; an unqualified assistant admitted having dispensed the five prescriptions containing poison. For the defence it was stated that the pharmacy had been open for eighteen years and never before had there been an offence of this kind.

Eire Poisons Cases. — At Dunfanaghy, co. Donegal, on July 6, Joseph McQuaide, proprietor of McQuaide's Medical Halls, Falcarragh, and Dunfanaghy, co. Donegal, was summoned by the Pharmaceutical Society of Ireland for breaches of the Pharmacy and Poisons Acts in allowing an unqualified person to sell to an unknown person, in containers not properly labelled (a) a preparation containing morphine and (b) commercial hydrochloric acid. Evidence of purchase was given by an inspector of the Society. For the defence it was stated that a qualified person had been engaged to manage the shop, but had not been due to arrive until the day after the inspector's visit. A fine of 10s., with £5 costs, was imposed in each case. In the same court the Doe Co-operative Society, Creeslough, co. Donegal, were summoned for breaches of the Pharmacy and Poisons Acts in selling Rodine rat poison through an unqualified person, and without disclosing the name and address of the seller on the package. The justice found both offences proved, but applied the Probation Act, awarding the Pharmaceutical Society £10 to cover costs. The solicitor for the Co-operative Society gave an undertaking that the Society would discontinue selling poisons except those covered by their licence.

GUIDE TO NEW MEDICAMENTS

Information about new proprietary medicaments to be supplied principally on prescriptions. Editorial recommendation is not implied. Reprints obtainable on application.

PARAMISAL SODIUM

MANUFACTURER: Herts Pharmaceuticals, Ltd., Welwyn Garden City, Herts.

DESCRIPTION: Para-aminosalicylate (prepared as a sterile 20 per cent. solution, in ampoules).

USES: In tuberculous empyemata, etc.

DOSE: 10 mls of 20 per cent. solution, by intrapleural injection, twice weekly.

HOW SUPPLIED: Boxes of six 10 ml ampoules.

ARMO-NOESTROL and ARMO-NOESTROL FORTE TABLETS

MANUFACTURER: Armour Laboratories, Ltd., Lindsey Street, London, E.C.1.

FORMULA: *Armo-Noestrol tablets*: Dienoestrol 0.1 mgm. Phenobarbitone 16 mgm.

Armo-Noestrol Forte tablets: Dienoestrol 0.3 mgm. Phenobarbitone 16 mgm.

INDICATIONS: Menopausal disorders and dysmenorrhoea.

DOSE: One tablet twice a day.

HOW SUPPLIED: Bottles of 50, 100, 500 and 1,000 tablets.

NEO-EPININE

MANUFACTURER: Burtoughs Wellcome & Co. (The Wellcome Foundation, Ltd.), 183-93 Euston Road, London, N.W.1.

DESCRIPTION: Compressed tablets each containing 20 mgm. of *dl*-isopropyl*nor*adrenaline sulphate (*dl*- α -3 : 4-dihydroxyphenyl- β -isopropylaminoethanol sulphate).

INDICATION: Bronchial asthma.

DOSE: Initially, usually 10 to 30-mgm. thrice daily; afterwards, according to individual requirement. Administered sublingually: should not be swallowed.

HOW SUPPLIED: Bottles of 25 and 100 tablets. Each tablet is scored for division.

NOTES: Neo-Epinine brand *dl*-isopropyl*nor*adrenaline sulphate is chemically identical with the substance that has been widely but incorrectly described as "isopropyladrenaline."

HEPARIN (EVANS)

MANUFACTURER: Evans Medical Supplies, Ltd., Speke, Liverpool, 19.

DESCRIPTION: A pure, pyrogen-free heparin.

USE: In blood transfusions and vascular surgery, post-operatively, and in thromboses, blood analyses, etc.

DOSE: For the interrupted dose method 5,000 units may be administered at intervals of four hours up to a total of 25,000 units per day. In the continuous drip method 10,000 to 20,000 units are added to one litre of 5 per cent. sterile dextrose or isotonic sodium chloride solution, and the product injected at the rate of about twenty drops per minute.

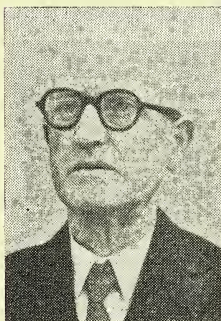
HOW SUPPLIED: As (a) a nearly colourless, stable solution in strengths of 5,000 and 1,000 i.u. per c.c., in ampoules of 5 c.c.; (b) a powder in glass containers of 100,000 i.u.; and (c) heparinised tubes (10 c.c.) containing 100 i.u. in the form of a dried film.

NOTES: The effects of heparin are dissipated within three hours of injection, but can be readily neutralised by an intravenous injection of protamine sulphate; 2 c.c. of a 2 per cent. solution of protamine sulphate should be sufficient to neutralise the effects of 5,000 units of heparin.

THE HARD WAY

Mr. C. H. Ingamells, M.P.S. (treasurer of the King's Lynn Branch of the Pharmaceutical Society), describes his fifty-five years' experience

I WAS born on May 29, 1882, in a small hamlet, Skirbeck, now merged into the borough of Boston, Lincs, being the eldest of four sons of working-class parents. My father was called an excavator or



Mr. C. H. Ingamells

navvy. On my arrival the doctor informed my mother I should one day become a clergyman or a doctor, but the nearest I got to that was, latterly, to be known among my friends and customers as "Dr. Charlie." At the age of ten-and-a-half, I passed the examination allowing me to leave school, and I obtained a part-time situation as errand lad with Mr. W. Bullivant, M.P.S., West Street, Boston. My mother said (and how correctly), "Now you have started work there will be no leaving off." My first pay packet was 1s. 6d. Later I went full time to Mr. Bullivant, receiving at first 2s. 6d. per week, and after serving with him for several years a certain casual remark from him proved to mark the starting point of my career. He said, "I wish you had been a better scholar, Charlie, because perhaps I could have made you a chemist." I replied, "You don't know what kind of a scholar I am, sir." He gave me some home-work for a week, and I was pleased with myself and so was he. He then suggested that I should study particularly the metric system and, possibly, sit for the preliminary examination of the Pharmaceutical Society. I passed the examination at Lincoln, and I was then indentured as an apprentice.

Never Took College Course

After over four years of hard and interesting study, well tutored, I had gained a knowledge of all branches of the trade, making practically every B.P. preparation, and testing and standardising preparations, and I think I knew Squire's Companion backwards. Shortly after my twenty-first birthday I presented myself at Bloomsbury Square for examination. It was the first time I had ever been in a college. I did

well until I came to script reading. I complained of the scribble but the examiners pointed out the papers were actual prescriptions. I said it was shameful, but realised afterwards I didn't have to read them, but guess at the combination. I was very youthful-looking, and I well remember the examiners suggesting that, if they passed me, there was nothing to stop my commencing business on my own. They thought I would do well to have first more experience in reading scripts. I took a situation with Mr. W. Baxter, Bromley, Kent, and after nine months I had a second attempt at the examination, and passed. I think it is a remarkable achievement for a son of a working man to have become a chemist without any college training.

First Jobs as a Chemist

I received 3s. 6d. per week as my first pay as a chemist, but later, five months after marrying, I obtained a situation as manager of a branch shop of Carter, White & Co., Grimsby, at £2 per week. In April, 1908, I became manager for Mr. C. Wass, M.P.S., at his branch shop, Long Sutton, Lincs. Mr. Wass offered me a partnership, and I accepted, taking one-tenth shares, and soon acquired one half of the business. In January, 1919, I bought over Mr. Wass' share and the pharmacy became my own. I carried on the business until November 1, 1947, and during that time saw two competitors leave the town.

My advice on how to run a business is to have confidence in oneself and in the business; work hard and play hard, as I have always done. See that there is cleanliness in all around you. Be courteous, tactful, moderate in all ways, look after and know your own business, never worry about your competitors, use your windows for the most profitable lines. Never cut prices. Never be late. Take interest in all matters relative to your business. Attend branch meetings if at all possible. I did! Belong to as many pharmaceutical and other organisations as possible, and take part in local activities, though not necessarily council or political work. At one time I held sixteen offices, and at present I am treasurer of the King's Lynn Branch of the Pharmaceutical Society, in addition to still holding a number of local non-pharmaceutical offices.

I have seen many changes in the class of trade I have done. When first I came to Long Sutton we handled paints, varnishes and distempers and even dog biscuits and paraffin. We had many customers who took tinct. opii and bought opium daily by the two-pennyworth. The wine and spirit department I never pushed. I had a small optical practice, and rather a large photographic business until the last war. Since then my business developed in what I consider the right direction, with a fair amount of N.H.I. work. I only had two lines of my own ready for handing

over the counter—children's gripe mixture and influenza and cold mixture, but I used to suggest to my customers that I should make them up special mixtures. It was surprising how this side developed, and how profitable it was, my prices being 2s. 6d. for 6-oz. mixtures. In the early days it was a regular thing to have on Saturday night an average of 12 x 2 lb. packets of horse condition powders made up from customers' own recipes; including what they called devils' dung, resin, genisis and many unknown remedies. We used to make grease and physic balls by the dozen.

N.H.S. PAYMENTS TO CHEMISTS

In a memorandum to Clerks to Executive Councils the Minister of Health gives instructions that chemists should be required to send in bundles of prescriptions for pricing as under the National Health Insurance scheme [but see below]. Any N.H.I. prescriptions dispensed on or after July 5 should be included with N.H.S. prescriptions; they will be priced accordingly. Rates of remuneration for pharmaceutical goods and services in the "interim" period (see *C. & D.*, June 19, p. 800) are to be as already notified and pricing offices will notify Executive Councils of the amounts due to chemists in accordance with these rates. A suggested form of claim for payment for rota services is also being sent to Clerks.

A Press announcement issued by the Ministry of Health draws attention to the requirement on invoice form E.C. 34, now being distributed by Executive Councils, that chemists should declare the number of prescriptions (not scripts or forms as under N.H.I.) sent to the Bureau for pricing. If this requirement is not met, or if the parcel is not sent by the third of the month, there may be delay in payment.

Method of Dispatching Prescriptions

The note makes clear that chemists need no longer hold contracts with more than one Executive Council. Whether or not they have taken out more than one contract, they should, for each set of premises, send all prescription forms in a single bundle to the Pricing Bureau, together with a single invoice made out to the Executive Council for the area in which the premises are situated. [This procedure supersedes the news paragraph and comment included in these columns last week (pp. 69 and 86).]

Chemists are requested to sort out of their prescriptions those of net ingredient

cost 5s. and over and to place them on top of the prescriptions of net ingredient cost under 5s. At the end of the interim period, instruction will be given on the manner in which chemists will be required to sort their prescriptions for pricing under the new system. The net ingredient cost of 5s. and over refers to the individual prescription and not to a script bearing several prescriptions which together cost 5s. or over.

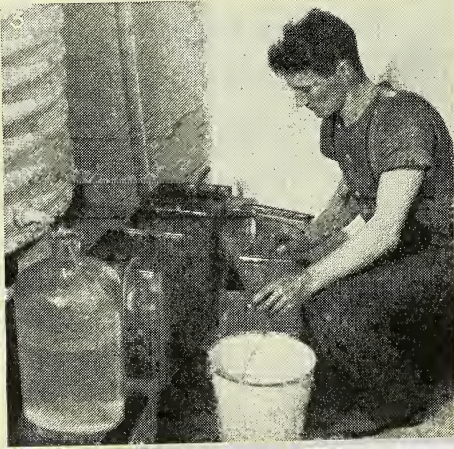
Payment on Account

It has been agreed that payment on account should be made regularly by every Executive Council which is unable to make full payment by the fifteenth of the month following that in which pricing should have been undertaken and completed for the previous month's prescriptions. For July prescriptions, the value of the account payment is 1s. 8d. per prescription. Chemists in all Executive Council areas except three (Lancashire, Manchester and Salford) will receive this payment if they make a declaration, identical with that entered on the invoice, of the number of July prescriptions for which payment is claimed. The declaration should be made on a printed postcard now being sent to chemists, and must be posted direct to the Executive Council in the first few days of August. For prescriptions in August and onwards and for as long as the scheme is necessary, a regular procedure will be established, details of which will be sent to chemists by their Executive Council. Chemists who have not yet sent in N.H.I. prescriptions for pricing are requested to post them off to the Bureau at once. The Press notice expresses the hope that chemists will not hold up prescriptions and send them in for several months together—a procedure that causes difficulty at the pricing bureau.



LAVENDER CULTIVATION IN TASMANIA

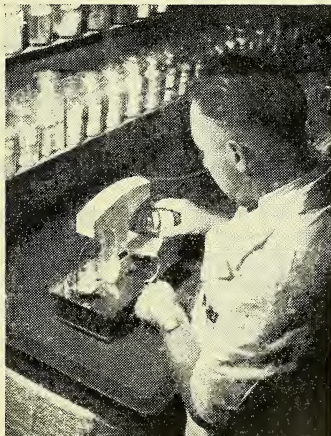
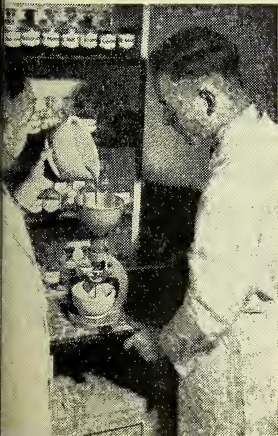
1. Pickers at work in the lavender fields at Bridestowe. Each acre produces one ton of flowers, from which 18 lb. of oil is distilled. Work of producing lavender oil goes on throughout spring and summer. The first lavender was sown at Bridestowe in 1922. 2. Drying. An experienced worker inspects the blooms as they lie on the drying racks in a heated drying room for three weeks. By that time 60 per cent. of the moisture has been dried out. The drying rooms hold $1\frac{1}{2}$ tons of flowers. 3. Oil distillation. The blooms are packed together for distilling and steam is passed through the condenser.




 GUILD CHEMIST


pharmacy "down under": how does it compare with the pharmacy in Britain? The pictures provide a basis of comparison. The example shown is located in a good-class suburb; its owner is a member of the Federated Pharmaceutical Services Guild of Australia and carries this premises the badge (top, right) of the Guild. 1. Pillaging is still called for; it has not been relegated to the wholesale. 2. Premises are modern and tastefully arranged; the traditional carboy remains. 3. Equipment includes a small-scale sifter. 4. A good balance is neat and clean as well as accurate. Orderly arrangement of dispensed medicines facilitates checking and saves time when the customer returns.

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the next

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The Editor would appreciate informati
about supplies of the following items:

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Esenophyll tablets
M 28 (Gynoclinical)
Hibinol

The 
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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

OL. CL. JULY 24, 1948 No. 3570

Payment for Rota Work

UNDER the National Health Service regulations the principle is now established that a chemist contractor receives remuneration (at agreed rates) for rota duties required from him by the Executive Council—rota duties, that is, to be performed outside normal hours of service stipulated in his contract. It is to be pointed out, however, that nothing in the arrangements compels the Council to pay money to chemists who would, for their own purposes, already be open beyond contract hours. Indeed, there would justifiably be a public outcry if payments were made from public funds in such circumstances.

We wish to make the point clear in case reply given recently in these pages under "N.H.S. Questions and Answers" may have given the contrary impression. The question was "If I normally open beyond the required hours, shall I receive extra payment for opening?" and we gave the reply "No, except when it is your turn for rota duty." The word "duty" was important. Our opinion was—and is—that where a chemist is specifically required by the Council to remain open at a particular time on a particular evening, the Council should be prepared to pay for the service provided. Any doubt whether the chemist is open for his own purposes or for those of the Executive Council is soon settled. Let him remain open for the normal contract hours and not a minute longer. Then, if an Executive Council finds that patients are not enjoying adequate opportunity to secure their medi-

cines, it is for that Council to take steps to require the pharmacist to do rota duty.

That is our answer in "hardship" cases, of which many have been brought to our notice. For example, a chemist, having found it necessary, before July 5, to keep open for long hours in order to cope with dispensing resulting from doctors' evening surgery hours, now feels that a competitor (who perhaps failed to meet an urgent public demand in those days) is now reaping an unmerited reward. The reason his own claims for rota payment meet with no response has been suggested. Let him take the "diplomatic action" outlined.

Tax and Turnover

ACCORDING to Board of Trade "sampling" figures, stocks of "chemists' wares" in retail shops at the end of May were (at cost) 3.4 per cent. above the figures at the corresponding date in 1947. The present tendency among retailers, as we are well aware from information supplied by wholesale distributors and manufacturers, is undoubtedly to adopt a conservative policy in buying. Although the principal reason for this caution may be the unmistakable signs of reduced purchasing power in the public, an equally important factor is the uncertainty about future changes in purchase tax rates. Retailers, and even some wholesalers, are deterred from laying in stocks of goods on which the purchase tax may, as a result of the changed machinery affected by section 20 of the Finance (No. 2) Bill, be reduced almost at a moment's notice. With the possibility of loss from that cause held over their heads, traders are naturally reluctant to take risks. In consequence, manufacturers' turnover of goods is retarded and a greater proportion of their capital is tied up in goods than is compatible with all-out effort in production. Not surprisingly, the new power of the Treasury has been the subject of a complaint to the Chancellor by the National Union of Manufacturers, who state "Manufacturers are finding that wholesale and retail distributors are reducing their stocks, particularly of seasonal goods, but are expecting delivery when the demand arises, and this has placed the burden of a heavy volume of stock on the manufacturer." The Union has asked for

an assurance that purchase tax will not be varied without prior consultation with the industry concerned. We trust that the Chancellor will give a sympathetic hearing to this legitimate request.

Prospects for British Proprietaries in Australia

MANY British proprietaries are established in Australia, and in the advertisement pages of Australian pharmaceutical periodicals British names predominate. Has saturation been reached or is there still good prospect of increasing exports in the Dominion? Can newcomers enter the market with any prospect of success?

An Australian trade visitor to this country has given us his views on these questions. In future, he argues, products of British origin will be able to establish or maintain themselves there only if they are manufactured in Australia. Two factors are coming to have a crucial bearing on the question. First, the cost of "laying down" imported goods in Australia has increased considerably. Secondly, Australian brands similar to imported proprietaries now compete with and undersell many of the imported items.

The price at which goods are exported by the maker for sale in Australia includes manufacturer's profit plus margin provided for advertising. Usually it corresponds to the price at which the goods are sold to wholesale distributors in England. The rate of duty applicable to a product in Australia is levied on the home consumption value or invoice price, whichever is the higher. The Australian importer pays £A125 10s. for every £100 (sterling), plus anything from 12½ to 50 per cent. duty on the "loaded" export price; he pays for the cases (on the cost of which he also pays duty), while freight, insurance, landing and port charges are all details affecting the price. To the total of these items, representing the cost to him of the goods, the importer or agent adds a margin for the wholesale distributor, plus sales tax (10 to 25 per cent.). From the resultant figure is worked out the price paid by the retailer (not less than 25 per cent. on the selling price to the consumer), giving the price the public is asked

to pay. Those handicaps attend any attempt to establish a place in the Australian market for finished goods exported from Britain. Moreover, Australian manufacture, packing and methods of sales promotion today stand comparison with overseas standards.

Already today, under English, American or Australian brands, a wide range of ethical and advertised proprietary medicinal products are manufactured and sold in Australia, and in the cosmetic field nearly all the well known and largely advertised branded products of English and U.S. origin are produced and sold. Manufacture in Australia does not, of course, necessarily involve setting up a factory. There are Australian agencies which undertake both to manufacture and to distribute the goods of a number of overseas companies. Any British manufacturers who take advantage of these facilities benefit by the special character and high consuming capacity of the market. The spending power of the Australian people is claimed to be as high as that of any other nation in the world, not excluding the United States of America. The population totals only 7½ millions (less than the population of Greater London) yet its trading banks hold deposits of £650 millions, its savings banks £663 millions (equal to about £90 per head), its life assurance companies have a premium income of £30 millions per annum and assets totalling £316 millions its fire and marine insurance companies a premium income of £20 millions per annum. The net value of all primary production is £278 millions per annum: of secondary industry, £886 millions. The Australian market thus invites attention from British manufacturers not only for its immediate prospects but for the certainty of its rapid future expansion.

Prescription Problem Solution

THE correct rendering of the prescription reproduced in THE CHEMIST AND DRUGGIST, July 17, p. 86, is as follows:—

Mist. Pot. Cit. c. Hyoscyam.

℥ss. t.d.s.

℥viii

Tab. S'thiazol.

i t.d.s.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast, on July 16, the president (Mr. John McGregor) in the chair. Also present were Messrs. P. R. W. Shinner (treasurer), Walter C. Tate, J. McDowell, E. Abernethy, W. P. Ewart, S. E. Campbell, H. F. Moore, F. R. Moore, H. W. Gamble, W. H. Boyd, Professor E. B. C. Mayrs and Professor J. Small and Mr. W. Gorman (secretary). Apologies for absence were received from Mr. H. H. Cowzer (vice-president) Mr. J. Irwin and Mr. H. P. Crossin.

THE PRESIDENT welcomed Mr. McDowell on his return to the Council following his illness. THE SECRETARY reported receipt of a letter from the Ministry of Home Affairs enclosing a memorandum on pharmacy administration during 1947. On the minutes of the Education Committee certificates of apprenticeship were granted to Felix O'Kane and Michael J. Bradley, of Belfast. A further application was refused on the ground that the examination certificate submitted did not show a pass in the requisite subjects. The Finance Committee recommended that a sum of £750 should be put on deposit in the Belfast Savings Bank and this was approved.

Examination Results Discussed

Reporting on the June examinations of the Society THE SECRETARY said that in the Final Part II there were forty-three entrants of whom thirty-nine sat. Thirteen passed and nine were referred, the remaining seventeen being failed. Of those referred three were in pharmaceuticals, five in chemistry and eleven in physiology. In the Final Part I examination fifty-nine entered, fifty-eight sat, twenty-five passed and twenty-nine failed. In botany and zoology four were referred, in chemistry two, and in physics none. In reply to questions THE PRESIDENT said he thought that the better showing in physics was due to the fact that the candidates were offered a slightly wider choice of question. In the Final Part I examination eight of the students were from provincial centres and three passed, one of those with the best performance was from Portadown. Two of the candidates in the Final Qualifying examination reached the Gold Medal standard. The secretary was instructed to look into the question of another form of

award as it was no longer possible for the Society to make awards in gold.

In accordance with notice of motion Mr. TATE moved that a sum of not more than £90 should be expended in the purchase of reference books as an addition to the library. MR. SHINNER seconded, and the motion was carried.

MR. TATE referred to a new Poison Rule made in Great Britain which puts an end to indefinite "repeat" prescriptions [of Schedule IV drugs] recently discussed. It was decided that the secretary should inquire whether the same alteration would be made in Northern Ireland. The opinion was expressed that the alteration should be made as the onus should not be left to the chemist. The question was raised as to when the synopsis of the Poisons Act, etc., would be available to members, and THE SECRETARY replied that Mr. Patterson hoped to have the details ready shortly.

Proposed Poisons List Changes

The Council returned to the consideration of the alterations proposed to Schedule IV of the Poisons List. PROFESSOR MAYRS reported that the Medical Faculty at Queen's University were in favour of the raising of the restriction on nicotine powders and surgical spirit but they did not agree with the Council that the external preparations of the sulphonamides group should be removed. The resolution proposed by the Council, he added, was wider than that put forward in Great Britain. MR. GAMBLE pointed out that the present regulation was unsatisfactory, and that in country districts there was no difficulty in obtaining the preparations referred to, including powders, particularly for veterinary purposes. This was confirmed by MR. EWART, who said that the use of the preparations for such purposes was very extensive. PROFESSOR MAYRS said that, if anything, this was evidence that the regulation should be tightened rather than loosened. MR. GAMBLE replied that he did not think the Medical Faculty had been fully aware of the case in respect of external preparations and he proposed that a subcommittee should be appointed to discuss the matter further. This was agreed to. It was stated that in default of agreement between the Council and the Faculty in such matters there was no power for the Ministry to rule one way or the other.

PHARMACEUTICAL SOCIETY OF IRELAND

THE July meeting of the Council of the Pharmaceutical Society of Ireland was held in Dublin on July 13, Mr. P. A. Brady (president) in the chair. Also present were Messrs. T. C. Scott (vice-president), J. Gleeson (treasurer), C. J. Cremen, N. A. P. McKane, M. Power, P. C. Cahill, G. C. O'Neill, F. X. Meagher, T. B. O'Sullivan, H. P. Corrigan, J. A. O'Rourke, J. P. Kissane, P. F. McGrath, J. K. Whelchan, and Senator F. Loughman.

Vote of Sympathy

Before commencing the formal business THE PRESIDENT proposed a vote of sympathy with the relatives of the late Mr. Bartholomew Sullivan, a member of the Society's Council, who had died suddenly on the previous day (see p. 108). During his period on the Council as one of the Cork representatives Mr. Sullivan had endeared himself, said Mr. Brady, to them all as a loyal colleague. The vote was passed in silence, all members standing.

Visitors were appointed to the July Licence examination, for which sixty-one entries had been received, and to the Assistants' examination, for which forty-four entries had been received. A letter was read from the Department of Health requesting the Council to appoint a representative on the Advisory Committee under the Therapeutic Substances Act, 1932, and, on the proposition of THE PRESIDENT, Mr. P. C. Cahill (the present representative) was unanimously reappointed. A letter was read from Mr. S. J. KAVANAGH (registrar of the Veterinary Council of Ireland) stating that the Veterinary Council appreciated the Societys' promise of financial assistance in the appeal over income tax assessment.

Sale of Veterinary Preparations

MR. B. R. SMITH (secretary, Irish Drug Association), wrote that Messrs. J. J. Roche (president), D. Woulfe (vice-president), and Lyall G. Smith (an ex-president) had been appointed I.D.A. representatives on the Joint Committee (with the Society) on the sale of veterinary preparations. THE PRESIDENT thought that the Council's representatives on the Committee should all be country members. Since the three representatives chosen by the I.D.A. were all city men, that made it still more desirable that they should select country representatives. On the proposal of THE PRESIDENT, Messrs. McKane, Kissane and Whelehan were unanimously chosen.

Applications from Mrs. Sheelah McGee (née Wickham), M.P.S.I., and Mrs. Mary Margaret McCarthy (née O'Donovan), Assistant, submitting marriage certificates and requesting changes of name in the register, were granted.

The Reports of the House, Law, Schools, Education and Certificates Committees were submitted and approved. The report of the Education Committee stated that two meetings had been held in June to consider a syllabus for botany and materia medica for the Licence examination. Messrs. P. A. Brady, T. C. Scott, G. O'Neill, H. P. Corrigan, P. C. Cahill and C. J. Cremen attended. Mr. Collins and Mr. O'Connor were consulted on the course at present in operation, and on how it might be modified to provide the Society's students with more modern instruction. The syllabus drafted by the Education Committee covers the requirements of the new B.P. Zoology is introduced, and to make it possible to teach this subject the Committee recommend the extension of the present course by fourteen days. The extension, with adjustments of teaching hours, should enable the lecturer to cover the syllabus in the time allowed for the course.

THE REGISTRAR (Mr. James G. Coleman) reported on the deaths of Miss Catherine Aloysius Burke, L.P.S.I., and Mr. Samuel Nevin, R.D.

Amended Regulation

MR. M. POWER moved the following notice of motion standing in his name: "That the regulations be amended as follows:—Amend Regulation 11, Finance, p. 62 of Book of Acts and Regulations, by deleting the words 'ten guineas' in line three and inserting instead the words 'twenty guineas'. That this change shall come into effect on September 1, 1948, and that the seal of the Society be affixed thereto." Mr. Power felt that the present fee for registering medical men holding the qualification L.A.H. as pharmaceutical chemists was too small by far. The last time the fee had been increased was in 1936, when it was raised to £10 10s. Since then the cost of running the Society's offices and the salaries of staffs had increased considerably. The feeling of many of their own Licentiates was against that type of registration, but there was nothing they could do about it. There had been an increase in such registration and possibly there would be a further increase in future years. MR. MEAGHER

seconded. The motion was then passed unanimously.

Dr. John C. Dowling, M.P.S.I., 251 Crumlin Road, Dublin, was appointed an examiner in pharmacy.

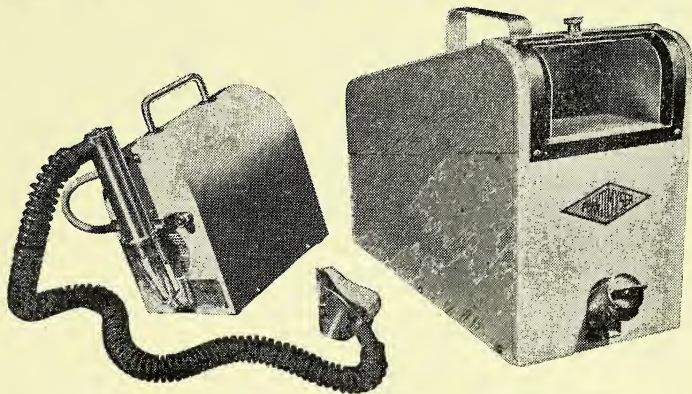
The following changes of address were notified:—Eugene J. Browne, M.P.S.I., to 58 Upper Drumcondra Road, Dublin; Henry Cashell, M.P.S.I., to 71 Shandon Street, Cork; Philip McArdle, M.P.S.I., to 1 Dublin Street, Dundalk, co. Louth; Lieutenant Michael J. Duane, L.P.S.I., to St. Bricin's Military Hospital, Infirmary Road, Dublin; Augustine H. Devlin, to c/o Hamilton, Long & Co., Ltd., 5 Lower O'Connell Street, Dublin; and James L. Hogan, L.P.S.I., to 72 Elleray Road, Salford, Lancs. The Licence certificates of the following were signed and sealed: Richard F. Shaw, Terence J. McDonald, and James B. Kissane. The following were elected members of the Society: Messrs. E. J. Browne, F. A. Hanley, P. M. Ryder, and Miss N. C. Lyons. The following were

nominated for membership:—Mrs. L. Adams, L.P.S.I., Gleann Padraic, Howth Road, Raheny, Dublin; Richard F. Shaw, L.P.S.I., 29 Kingsland Parade, S. C. Road, Dublin; Lieutenant M. J. Duane, St. Bricin's Military Hospital, Dublin; Michael G. D. McKenna, L.P.S.I., Juverna, Howth, co. Dublin; Leo Vincent McKeever, L.P.S.I., 7 Lindsay Road, Glasnevin, Dublin; and A. A. P. Toher, L.P.S.I., Sligo Drug Co., Wine Street, Sligo.

At a meeting of the Benevolent Fund Committee, held following the Council meeting, a number of grants were passed for payment. On the motion of THE PRESIDENT, the thanks of the Council were tendered to the following for their donations to the Fund:—Irish Chemists' Golfing Society (£5 5s.); Messrs. H. T. McClelland, M.P.S.I., Main Street, Ballyshannon, co. Donegal, £1 1s.; and W. R. Such (Evans Medical Supplies (Ireland), Ltd.), £1 1s.; and Mayo Pharmaceutical Chemists' Association, £10 10s.

INHALATION AND AIR-STERILISATION PLANT

RECENT developments, to which attention has been drawn in these columns, in the applications of penicillin have considerably widened the sphere of use of inhalation therapy. An all-electric inhaler recently introduced is the MA 3 Aerolyser produced by Aerosols, Ltd., 65 Old Brompton Road, London, S.W.7. The apparatus is self-contained and portable (total weight about 15 lb.), and the compressed air supply is produced by means of a small electric motor compressor unit that can be run off any convenient light point. The air supply is driven through a jet and baffle system connected with a container for penicillin solution or other recommended drugs. Particles of about 3 microns diameter are produced which are inhaled through a flexible rubber tube and face mask. The apparatus is suitable for use in hospitals, clinics, and by general practitioners. No oxygen cylinders and accessories are required. The problem of



Aerolyser inhalation (left) and Phantomyser air-sterilisation apparatus

air sterilisation in aseptic rooms (e.g., in the preparation of penicillin injections under a Therapeutic Substances Act licence), can be solved by using Phantomyser equipment issued by the same company. The apparatus has other applications in reducing the risk of cross-infection in offices, factories, hospital wards, etc. The PD 2 model is capable of disinfection up to about 90,000 cu. ft. of air, or of sterilising about 14,000 cu. ft. of air, each hour; the MA 3 model will cope with approximately 25 per cent. of those volumes of atmosphere.

NEW BOOKS

Packaging and Display Encyclopædia 1948.—Edited by E. Molloy. 10½ in. by 8 in. Pp. 880. £3 3s. George Newnes, Ltd., Southampton Street, London, W.C.2. Intended for the use of sales and advertising managers and packaging advisers, this massive volume is divided into eighteen sections. The first contains a list of trade organisations, guide to packaging regulations, etc. A section on applied packaging includes twelve pages on pharmaceutical products and fourteen on toilet goods. Two sections explain principles and practice in design and display. Thirteen sections give technical details of the use in packaging and display of metal, glass, wood, paper, board, plastics, etc., and each section is followed by a schedule of suppliers. A concluding directory lists manufacturers and products.

Dictionnaire des Produits Chimiques Commerciaux et des Drogues Industrielles.—A Chaplet. 8½ in. x 5½ in. Pp. 440. Fr. 1,270. Dunod, 92 Rue Bonaparte, Paris, VIème, France. Entirely remodelled, the third edition of the *Dictionnaire* sets out to fill, in a conveniently handled format and simply enough to appeal to many classes of user, a gap which, according to the author, has long been filled in English, German and Italian languages. The 6,000 entries are limited to items used in industry, and the style is intentionally telegraphic. The distinctive feature of the work is its inclusion in a single alphabetical arrangement of definitions of groups or classes of chemical substances (e.g., abrasives), natural raw materials (e.g., castoreum), chemical compounds (e.g., butadiene), and brand names (e.g., Abracols—solvants anglais pour enduits cellulosiques).

Argentina.—J. G. Lomax, C.M.G., M.B.E. Pp. 128. 2s. 6d. **Belgium.**—E. James Joint, C.M.G., O.B.E., F.R.G.S. Pp. 62. 1s. 3d. **Turkey.**—E. R. Lingeman, C.B.E. Pp. 228. 4s. All 9½ in. x 6 in. First three in a series published for the Board of Trade Export Promotion Department by H.M. Stationery Office. "Economic and Commercial Conditions in the Argentine Republic" is by the United Kingdom Commercial Minister in Buenos Aires; it gives a comprehensive survey of conditions in the territory. The recent scaling down of the Peron five-year plan of industrialisation has made some sections of the book out of date, but detracts little from the mass of factual information. Chemicals and chemical products are dealt with at length, and

mention is made of the trade in perfumery and cosmetics, scientific equipment, instruments, etc. Publication of the second report—that on economic and financial conditions in Belgium and Luxemburg—coincided with the meeting of the Anglo-Belgian Joint Economic Committee in Brussels. In recent months the chemicals group has held third or fourth place in the list of United Kingdom exports to Belgium, and the author states "Dyes and other products for the textile industry are in short supply, and ethical drugs find a ready market. Pharmaceutical products in general, including patent medicines, must face competition from other countries, but our position is not unfavourable. The market has been given careful and expert attention by suppliers and the results are satisfactory." The author of the work on Turkey is the Commercial Counsellor at the British Embassy, Ankara, who provides an impressive quantity of data covering all aspects of the economic life of Turkey, including finance, foreign trade, agriculture, etc. British goods are recorded to be held in high esteem in Turkey, and the Turkish market to be expanding with improved living conditions. Imports from the United Kingdom of chemicals, drugs, dyes and colours in 1947 were valued at £800,000. A comparative table of principal exports to the U.K. in 1938 and 1947 includes olive oil, liquorice root and extract, opium and tragacanth. Factories for the production of nitrates and soda are to be erected at an estimated cost of £3,300,000.

New and Non-official Remedies, 1947.—Council on Pharmacy and Chemistry of the American Medical Association (editor, Austin Smith). 7½ in. x 4½ in. Pp. 749. 21s. J. B. Lippincott Co., Aldine House, Bedford Street, London, W.C.2. A revised record of proprietary medicinal preparations approved by the Council of the American Medical Association since its establishment in 1905, up to date to January 1, 1947. Preparations previously approved but which have failed to live up to their earlier promise have been omitted. Details given include description of product, formula, action, use and dose. Ninety-eight pages are devoted to tests and standards, and a list of distributors and bibliography are appended. The introduction gives the criteria that must be met to gain recognition for a preparation by the Council.

MEDICAL ABSTRACTS

Thiouracil and Liver Function.—From an examination of eighty-one cases of thyrotoxicosis treated with thiouracil or its methyl or propyl derivatives, Goodwin ("British Medical Journal," July 10, p. 64) concludes that deterioration of the liver under treatment should not be taken as contra-indicating the drugs, as the disease itself may be the cause. In many cases thiouracil or its derivatives improved, or had no effect on, liver function.

Reuse of Streptomycin.—In view of the shortage of streptomycin, Miller & Rowley ("Lancet," March 13, p. 404) devised a method of recovering at least 50 per cent. of the 1,000 units per mil, approximately, present in urine after streptomycin administration. The method consists essentially of adjusting the pH with sulphuric acid, shaking with charcoal, filtering, readjusting to neutral pH with sodium hydroxide solution, and adsorbing the streptomycin on charcoal. From the charcoal the antibiotic is recovered by elutriation.

Penicillin Concentrated in Bile.—Figures obtained by Tuckwell from observations on two patients who were to undergo partial gastrectomy show that a healthy gall-bladder can concentrate penicillin to a strength which may be lethal to the typhoid bacillus ("Proceedings of the Royal Society of Medicine," 1947.II.654). The penicillin concentration in the gall-bladder bile of one patient was 25 units per c.c. compared with 10 units per c.c. in the common duct bile examined at the same time. High bile concentration, which was found to be transient, required large dosage and good liver function.

Nitrogen Mustards in Dermatoses.—Dramatic response to nitrogen mustard (methyl-bis (beta chloroethyl) amine hydrochloride) is recorded by Osborne and others ("Journal of the American Medical Association," 1947.II.1123) in two patients suffering from mycosis fungoides. 0.1 mgm. per kilo of body weight was administered in 5 mils saline on three successive days. In a case of lymphosarcoma no evidence of the disease in the skin or other tissues was detectable twelve days after similar treatment. The authors suggest that the use of nitrogen mustards in treating mycosis fungoides is mainly limited to advanced patients who cannot adequately be treated with x-rays. Other drugs in the same series may prove of value in treating resistant dermatoses.

Isotope Therapy.—Radioactive phosphorus, P^{32} , is stated by Haden ("Journal of the American Medical Association," January 31, p. 308) to have been the most widely used isotope to replace roentgen therapy in leucæmia. Its effect is identical with that of other forms of irradiation, the only advantage claimed being absence of radiation sickness. The occurrence of acute leucæmia in patients with polycythæmia treated with radioactive phosphorus may indicate possible ill-effects from prolonged irradiation (due to the fact that the half-life of P^{32} is 14.3 days). Radioactive gold and manganese which have been employed, recently, have given similar results.

Human Milk Banks.—Methods of collecting human milk in maternity wards for use elsewhere, possibly after dehydration, have been examined by Wright ("Lancet," 1947.II.121), who draws attention to the possibility of mastitis being spread by transfer of staphylococci carried from one mother's breast to another by unboiled collecting bowls or breast pumps—a risk confirmed by experiment. Thus milk collected by methods current in practice had bacterial counts ranging from 3,700 to over eight million per mil, whereas under strict precautions the milk collected gave counts of only 0-2,500 per mil. A practicable method of collection is outlined, and various heat treatments are compared. Immediate boiling was the most suitable.

Amœbic Dysentery Treatments.—Penicillin is considered by Wright and Coombes ("Lancet," February 14, p. 243) to have made possible a remarkable advance in the treatment of amœbic dysentery accompanied by secondary bacterial infection. The claim is made that, if diagnosis is early enough, a high proportion of cases can be cured by any of a number of treatments described. In three groups administration of emetine for six days, emetine bismuth iodide for the next six, and Carbarsone for a further twelve days, was common, but group 1 had additionally retention enemata of Quinoxyl; groups 2 and 3 had a total of 65 gm. succinyl sulphathiazole in the first three days and a second course of E.B.I. on days 20-25; group 2 had also Quinoxyl on days 5-14, while group 3 had Diodoquin (5, 7-diiodo-8-hydroxyquinoline) on days 1-20; a fourth group had emetine and succinyl sulphathiazole for three days, E.B.I. for the next twelve, with Diodoquin three times daily for twenty days.

BUSINESS QUERIES AND ANSWERS

Subscribers are invited to address inquiries to the Editor on problems of management accounts, stock-keeping, taxation. To ensure that no information of a confidential nature is disclosed to a competitor, replies will be given under initials or a pseudonym. If it is necessary to forward documents, copies only and not originals should be sent.

Agreements with Travellers

"We have a number of travellers working for us, and their remuneration consists mainly of commission on orders obtained. As disputes are frequently arising, we intend to enter into an agreement with the travellers, and it would be a great help if you could suggest suitable clauses for insertion in such agreements."—G. & G.

The agreements could state that—"The remuneration of shall be a commission of per cent. calculated on the net value of all orders obtained by him and/or repeats of such orders which are accepted and fulfilled and paid for by the buyers," also that—"after the termination of this agreement, no commission shall be payable except on orders received before the termination of the agreement." Each such agreement should be stamped.

Contra Accounts

"I buy various needs from a local trader who obtains drugs from me, and periodically either I pay him in settlement or he pays me. As a rule he has to pay me a balance, the amount of which I credit to his account. Is this the method?"—B.H.

After crediting the personal account in the sales ledger with the amount of the cheque received, the account should be balanced by transferring the amount standing to the credit of the purchases ledger account. When it is necessary to pay out a cheque in settlement, the amount should be debited to the personal account in the purchases ledger, this account being then balanced by transferring the debit balance as per sales ledger. In the event of bankruptcy, any contra account against a creditor, which is less in amount than the creditor's claim, should be deducted, the balance only being inserted under the heading "Amount of Debt."

Need for Double Entry

"I have come to the conclusion that the insistence on double entry book-keeping methods is overdone. I use an analytical form of cash book, and my accountant has no difficulty in preparing a balance sheet."—E.W.

The need for double entry arises from the fact that every business transaction has two sides. When a retail chemist sells a bottle of capsules over the shop counter for cash, his stock is diminished and his cash balance increased. If products are sold to customers on a credit basis, the stock is diminished and the book debts increased and obviously it would be incomplete to record only one side of the transactions. The same principles apply to trade purchases and expenses, and when preparing a balance sheet the accountant must arrange the figures on a double entry basis in order to verify the accuracy of the records. Chemists who do not carry out the principles of double entry are usually over-assessed each year.

Budgetary Control

"Last year we encountered several obstacles due to failure to maintain a suitable method of internal organisation and control, and while I have no desire to see the business turned into a kind of mechanical operation, I feel that business should be planned much more scientifically. If possible, we should like to institute some kind of budgetary control, and it would be interesting to know your views."—D. & C.

Under the prevailing conditions it is difficult to conduct business with any degree of success unless there is some careful and systematic planning on the part of proprietors and managers. Reports received from managers often enable the volume of business to be pre-determined and such information, together with allowances and considerations of such matters as local purchasing power, competitive effort etc., facilitates the forecasting of trends. Ups and downs in turnover in relation to the management and working expenses can often be more effectively displayed by the use of line charts or graphs, and it is possible to make up a budget showing the percentage relation of each group of expenditure to the total turnover. While some expenses will remain fairly constant throughout the year, others may show very wide variations, and as selling costs are closely related to the sales data the planning of a programme would be of small use without an estimate of selling expense.

CORRESPONDENCE

Correspondents may adopt an assumed name for publication but must furnish their real name and address to the Editor.

N.H.I. into N.H.S.

SIR,—I found the article by A. E. Bailey, "N.H.I. into N.H.S." (*C. & D.*, July 3, p. 18) interesting but should like to make some observations thereon. When pre-1911 pharmacists were "isolated units" they were individualists and would do almost any operation in pharmacy, not excluding veterinary attention and even tooth extraction. I am afraid the modern M.P.S. would be utterly helpless in these matters. Does Mr. Bailey really think that the N.H.I. helped with the "professionalisation" of pharmacy? The payment of 4d. to 5d. per script and the use of concentrated mixtures and stock formulas almost killed, "sec. artem," as well as the prescriber's art. The present trend towards complex planning does not help pharmacy one little bit. The Pharmaceutical Society has more and more become remote from the daily work of the shopkeeping pharmacist to make a living.

Yours faithfully,

A MIDDLE-AGED PHARMACIST.

[Mr. Bailey writes: From the standpoint of the individualists who, before 1911, added veterinary and dental work to the wide range of pharmaceutical operations they undertook, the introduction by the N.H.I. Act of some measure of specialisation has helped to raise the standard of their real calling—pharmacy. The coming of N.H.I. has helped toward professionalising pharmacy, not because of the actual shop operations it has demanded, but because it has compelled the Pharmaceutical Society to move in raising standards and improving education. I think Middle-aged Pharmacist has confused pharmacy as a profession and pharmacy as a profit-earning business. When he says "The Pharmaceutical Society has more and more become remote from the daily work of the shop-keeping pharmacist to make a living," he is obviously referring to trading activities and not professional operations. In that sense I agree with him. But the Society is not remote from professional pharmacy. Indeed, it is my opinion that, though retail pharmacy was the calling practised by its founders, the Society has come, almost necessarily in view of the introduction of different methods of manufacture, to favour the professional atmos-

phere of the hospital laboratory rather more than the commercial set-up of the retail shop dispensary].

Lord Horder on V.D. Prevention

SIR,—The latest report of the Ministry of Health has to acknowledge an alarming setback in venereal disease that has dismayed everyone who understands its significance. The report of the Ministry says: "During the year 1945 the incidence of syphilis and gonorrhœa increased appreciably." This has happened after large sums of public money have been spent by the Government, through the Central Council for Health Education, in telling the public of the dangers of V.D., and in trying to conquer V.D. by fear and persuasion, coupled with treatment after the illness has developed. The public has not been allowed to learn the vitally important fact that a great deal of V.D. is easily prevented. This is a scientific fact and it has been known for forty years. The National Society cordially supports any and every method whereby V.D. can be combated, but it is confident that the disease will be eliminated only by practical prevention. Our policy is threefold: (1) To educate the public with regard to the fact that V.D. can be prevented by simple, scientific measures; (2) to supply all interested persons with details of such measures; (3) to secure the necessary alteration of the law to enable preventive materials to be sold together with the necessary instructions. We are planning a great campaign and seek the support of all interested persons and the public.

Yours faithfully,

HORDER, *President*,

National Society for the Prevention
London, W.1. of Venereal Disease.

MISCELLANEOUS INQUIRIES

Supply of Milk Foods.—*S. L.*—It is illegal to supply milk foods for persons other than children below two years of age. Most manufacturers have some arrangement for accepting back foods which have gone beyond their warranty date.

Adder-bite Serum.—*A. J. C.*—Serum against the European viper, which has been found useful against the British adder, is prepared by the Pasteur Institute of Paris, and has the designation E.R. serum.

Tax on Veterinary Products.—*G. B. & S.*—Most veterinary medicines are chargeable with purchase tax at 33½ per cent. A special exemption is made for certain preparations such as preparations for the protection of cows against flies, fly-spray containing DDT and dusting powder containing DDT.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, July 21

U.S. Drug and Chemical Report

New York, July 16

THE export demand for PHARMACEUTICAL and FINE CHEMICALS continues on a good scale. Trade with India will be stimulated as a result of the new Open General Licence for imports of a range of products, including many chemicals, into that country. The release of accumulated sterling balances provided for in the recent interim agreement with India will also give an impetus to trade. Home trade in pharmaceuticals remains on a routine level with buying confined to immediate requirements. No price changes have been noted during the past week.

COMPETITIVE conditions reported in PENICILLIN last week have been followed by a two cent reduction in prices. Bulk quantities of 500 million units or more are now priced at 12 cents per 100,000 units for the potassium crystalline grade; 11 cents per 100,000 units for the calcium (wax and oil suspension) and 13 cents per 100,000 units for the procaine type. Trade circles believe that a further decline in wholesale prices is not very far away. Absence of demand brought a slight reduction in MENTHOL prices to \$9.55-\$9.65 for spot lots of Brazilian material. However, late Brazilian cables indicate a slight increase in primary market quotations. Chinese and Japanese menthol is currently quoted at about 35 cents per lb. higher than Brazilian. MERCURY holders report difficulties in disposing of metal at \$75 per flask. A further 3,000 flasks are understood to have reached the U.S. since the beginning of the month. There is plenty of FORMALDEHYDE available on the market here as a result of a sharp decline in consumption.

Market circles say that price reductions in BOTANICAL DRUG, SPICE and GUM markets are entirely due to lack of demand. Supplies of materials are expected to be limited in the months ahead and prices are likely to be advanced when any real inquiry develops. It is estimated here that all the new Mexican cut VANILLA BEAN crop has been purchased—more than 100,000 lb. Activity has been centred in the Mexican varieties because of cheaper prices in comparison with the Bourbon types. The new SENEGA ROOT crop is expected to be poor and any increase in demand from abroad would most likely result in a hardening of price levels, it is reported.

Adequate supplies of ESSENTIAL OILS and most AROMATIC CHEMICALS are reported to be available.

Pharmaceutical Chemicals

AMMONIUM CHLORIDE, B.P. — Makers quote 1-cwt. lots at 9½d. per lb.

ASPIRIN.—In good supply. Makers quotation for POWDER is 3s. 5½d. per lb. in 10-cwt. lots and 3s. 7d. per lb. in 1-cwt. lots. Scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. are: 4s. 6d. (1-lb. containers); 4s. 5d. (2-lb.); 4s. 4½d. (4-lb.); 4s. 3½d. (7-lb.); 4s. 3d. (14-lb.); 4s. 2d. (28-lb.). Net one month. Rates per 1,000 for bulk supplies of TABLETS are: Under 5,000, 3s. 9d.; 5,000 and over 3s. 7d.; 10,000, 3s. 6d.; 25,000, 3s. 4d. 50,000, 3s. 3d.; 100,000, 3s. 2d.; 250,000, 3s. 1½d.; 500,000, 3s. 1d.; 1,000,000, 3s.

Crude Drugs

Business in BOTANICAL DRUGS has been restricted in so far as home trade buyers have been reluctant to purchase goods not required for present use. The volume of inquiry, however, from overseas has increased, although trade is hampered by currency difficulties. Prices in most sections of the markets have shown only small fluctuations. Cape ALOES is easier forward and spot goods have been sold at around 120s. per cwt. A good business has been done in new-crop BUCHU for export. Little interest is displayed in CASCARA SAGRADA. GINGER is a steady market; recently prices of Sierra Leone at origin rose sharply, £58 per ton being offered, but holders have not been anxious to dispose of stocks at this figure. Prices of HONEY are unchanged; the Spring crop in Jamaica was later than usual this year but fair supplies are reported to be selling in Kingston at 5s. 8d. per gall. IPECACUANHA is a firmer market. Prices of Nicaraguan root for shipment have been risen to 22s. 6d., c.i.f.; there have been no offers of Colombian material. Although home market demand for SENEGA remains small, export inquiry has increased and substantial orders have been placed by Continental countries. Prices which have fallen gradually over the past few weeks are now inclined to rise in view of reports of a poor crop.

Essential Oils

The ESSENTIAL OILS market has again been quiet. Prices, generally, are unchanged; EUCALYPTUS is, however, slightly easier and this applies also to Spanish ROSEMARY. Quotations for Java CITRONELLA have risen owing to scarcity of supplies on spot and the disturbances in Indonesia. West-Indian LIME is very firm; new crop prices are not yet available but there are indications of higher prices because of attacks of disease which have seriously affected the trees. A good export inquiry is noted for ANISE.

BARBITONE.—Base and soluble are available at prices from 43s. 6d. to 46s. per lb.

BENZONAPHTHOL.—B.P.C. quality is offered at 14s. 6d. per lb.

BENZYL BENZOATE.—B.P. quality is quoted from 4s. 6d. to 5s. per lb., according to quantity; perfumers' quality, 5s. to 5s. 6d. per lb. Supplies are plentiful.

BISMUTH SALTS.—Makers' prices per lb. for 1-cwt. lots are as follows: CARBONATE, 14s. 10d.; CITRATE, 12s. 6d.; SUBNITRATE, SALICYLATE, 12s. 9d.; SUBGALLATE, 15s. 9d.

BORIC ACID.—Current rates for ton lots of B.P. quality are: Granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in 1 cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards. Terms quoted do not apply to Northern Ireland.

BROMIDES.—Supplies are reported to be rather better. Current resellers' rates per lb. for POTASSIUM, in quantities of 28 lb. to 1 cwt. (containers in brackets) are as follows: 3s. 5½d. (1-lb.), 3s. 4½d. (2-lb.), 3s. 4d. (4-lb.), 3s. 3d. (7-lb.), 3s. 2½d. (14-lb.), 3s. 1½d. (28-lb.). In bulk, makers quote 1 cwt. at 2s. 7d. per lb. and 5 cwt. at 2s. 6d. Powder is 2d. per lb. extra. SODIUM is 1½d. per lb. less than above rates; AMMONIUM is ½d. per lb. more than above rates. Terms are net; carriage paid on 1-cwt. lots in U.K.

CREOSOTE.—B.P. quality, ex beechwood, quoted at from 7s. per lb., upwards.

CRESOL.—Controlled price of B.P. quality from distillers is 4s. 6d. per gall., ex sellers' premises.

HEXAMINE.—B.P. is quoted at from 1s. 8d. to 2s. per lb., as to quantity.

HYOSCINE HYDROBROMIDE.—Makers' quotations are from 147s. 6d. to 150s. per oz., according to quantity.

MANDELIC ACID.—Current prices per lb. are: 1-lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYLTHIONINE CHLORIDE.—Quotations are from 8s. 6d. to 10s. per lb., according to quantity.

PANCREATIN.—Price of B.P. material is from 13s. 6d. to 16s. 6d. per lb., according to quantity.

PEPSIN.—Quotations for B.P. standard are from 29s. 6d. per lb.; 1-3,000 is priced at 35s., and 1-10,000 at 115s. per lb.

PHENACETIN.—Supplies are scarce; nominal prices, from 5s. to 6s. per lb.

SANTONIN.—Supplies are scarce; 5 kilos, £44 per kilo; less than 5 kilos, £45; 1 kilo, £46; half-kilo, £47; quarter-kilo, £48 per kilo; carriage paid in U.K.

THEOBROMINE.—Makers' prices (per lb.) are: ALKALOID, from 37s. 6d. to 41s. 6d., according to quantity; CALCIUM SALICYLATE, from 21s. 3d. to 25s. 3d.; SODIUM BENZOATE, 23s. 9d. to 26s. 9d.; SODIUM SALICYLATE, from 21s. 3d. to 25s. 3d.

Crude Drugs

ACONITE.—Prices of Indian root on spot are unchanged at 300s. per cwt.

AGAR.—Quotations for strip are unchanged at from 17s. 6d. to 18s. 6d. per lb., duty paid, as to quality; forward, 15s. to 16s., c.i.f.

ALOES.—Cape is easier at 120s. per cwt.; forward, 116s. to 120s., c.i.f., as to quality. Curaçao in boxes is quoted at 210s. per cwt.; shipment, 200s., c.i.f. Socotrine is offered at 160s. to 180s. per cwt., spot.

ANISE (STAR).—Spot quotations are at 120s. per cwt.; shipment, 120s., c.i.f.

ARECA NUTS.—Ceylon is quoted at from 65s. to 67s. 6d. per cwt., spot; to arrive, 50s., landed.

ASA FETIDA.—Persian block is offered at £22 10s. to £24 per cwt., spot, with prices of Indian at £15.

BALSAMS.—*Canada* continues nominal at 21s. 6d., spot. *Pará Copaiba*, soluble, is valued at 5s. per lb., spot. *Peru*, San Salvador, 5s. 6d., duty paid. *Tolu*, 18s. per lb., spot.

BAY LEAVES.—Quotations are unchanged at 11d. to 1s. per lb., duty paid.

BENZOIN.—Sumatra block, spot, from £15 to £17 per cwt., as to quality.

BISMUTH.—Metal is quoted at 11s. per lb. for quantities of 5 cwt.

BUCHU.—New-crop, short rounds, spot, 4s. per lb.; shipment, 3s. 8d., c.i.f.; ovals, old-crop, from 3s. 9d., spot.

CAMPHOR.—Chinese tablets offered at 9s. 9d. to 10s. 9d. per lb., duty paid; refined powder (B.P.). 8s. to 8s. 6d., with B.B. grade 7s. 6d.; crude powder, 6s. 6d.

CANTHARIDES.—Spot quotations for Chinese are from 9s. 6d. to 10s. per lb., duty paid.

CARDAMOMS.—Mangalore half-bleached A's are 9s., spot; B's, 8s., seeds, 7s. 9d. Aleppy seeds, 8s. 6d. to 9s. per lb. Aleppy greens, 7s. Ceylon seeds, 7s. 9d. per lb.

CASCARA SAGRADA.—Quiet. Spot quotations are from 200s. to 240s. per cwt.; new-crop forward is valued at 200s., duty paid.

CASCARILLA.—Attracting little interest. Quills, 1s. 6d. to 1s. 7d. per lb., spot, siftings, 1s. 5d. to 1s. 6d.

CASSIA PODS (*C. fistula*).—East Indian, 65s. per cwt., ex wharf.

CHILLIES.—Mombasa, 110s. per cwt., spot; shipment, 95s., c.i.f.; Sierra Leone, 115s., nominal; Nigeria, 90s., spot.

CINNAMON.—Ceylon on spot is offering as follows: 0000, 3s.; 000, 2s. 10d.; 00, 2s. 8d.; 0, 2s. 6d.; firsts, 2s.; seconds, 1s. 11d.; thirds, 1s. 10d.; fourths, 1s. 9d.; quillings, 1s. 5d., featherings, 1s.; chips, 6d. per lb.

CLOVES.—Zanzibar on spot is quoted at 9d. per lb.; shipment, 1s., c.i.f. Madagascar, shipment, 7½d., c.i.f.

COCHINEAL.—Silver greys, quoted at 4s. 3d. per lb., spot; blacks, 4s. 6d.

COCA BUTTER. — Maximum controlled price is 4s. 11½d. per lb., delivered.

COD-LIVER OIL.—British-produced oil of B.P. quality is quoted from 12s. to 13s. per gall., delivered in the United Kingdom.

COLCHICUM.—Corms, spot, offered at 7s. 6d. to 8s. 6d. per lb.

DERRIS ROOT.—Controlled price of the root and "other rotenone materials" is 2s. 4d. per lb., ex warehouse.

DIGITALIS.—Portuguese leaves offered at 150s. per cwt., spot; English, from 2s. 6d. per lb.

DRAGONS BLOOD.—Singapore reboiled No. 1, £70 per cwt., spot; No. 2, £35.

ELEM. —Steady. Manila No. 1 is quoted 2s. 3d. per lb., spot.

ERGOT.—A steady market. Portuguese is offering at 4s. per lb., spot; new-crop, shipment, 3s. 10d. to 4s., c.i.f.

GAMBOGE.—Quiet and steady. Siam pipe, spot, steady at £50 per cwt., duty paid.

GENTIAN.—Quiet. French natural is quoted at 62s. 6d. to 65s. per cwt., spot.

GINGER.—Steady. African, spot, 74s. per cwt.; new-crop, July-August, 71s., c.i.f. Jamaican, No. 1, 115s.; No. 2, 112s. 6d. and No. 3, 110s. per cwt., spot.

GUAIACUM RESIN.—Quotations for lump are from 2s. 9d. to 3s. per lb., spot.

GUM ACACIA.—Kordofan cleaned sorts, offered at 65s. per cwt., ex store, London; shipment, 59s., c.i.f. Bleached No. 1, 130s., ex store; to arrive, 120s., c.i.f. Talha, 45s., ex warehouse; forward, 42s., c.i.f.

HONEY.—Agreed rates per cwt. for Australian or Jamaican honey, for manufacturing purposes, are as follows: In original packings (56-60 lb. tins for Australian or 3½-cwt. barrels for Jamaican), for quantities of 10 cwt. or more, 96s.; less than 10 cwt., 105s., net, carriage paid. Refined repacked honey is available at the following rates per cwt.: In 7-14 lb. tins, 145s.; 28-lb. tins, 130s.; 56-lb. tins, 120s., carriage paid, subject to wholesale discount of 8½ per cent.

IPECACUANHA. — Spot quotations are around 24s. 6d. to 25s. per lb.; Nicaraguan afloat is 23s., c.i.f.; for shipment, firmer at 22s. 6d., c.i.f.

LIQUORICE.—Anatolian natural root on spot is offering from 47s. to 50s. per cwt., as to holder; Syrian, 45s. Italian block, 375s. per cwt., spot; Italian stick is in good demand at £385 to £525 per ton, as to quantity and grade. Turkish block is available at from 240s. per cwt.: Syrian block, to come forward, 405s., duty paid.

MENTHOL.—Quiet. Brazil on spot is offered at from 45s. to 48s. per lb., duty paid; 43s. 6d., in bond.

PAPAIN.—East African No. 1 is offered at 25s. per lb., spot; Ceylon, 20s.

PIMENTO.—Spot is quoted 1s. 2d. per lb.; to arrive, 119s. per cwt., c.i.f.

PODOPHYLLUM.—American (*peltatum*) offered spot London at 300s. per cwt. Indian (*emodi*), 320s. to 340s.

RHUBARB.—Chinese rough-round is offering from 4s. 3d. to 4s. 9d. per lb., spot.

SANDARAC.—Spot quotation is at 5s. per lb.; to arrive, 4s., c.i.f.

SARSAPARILLA.—Jamaican, native re spot, quoted at 2s. 4d. per lb.; 2s. 3d., c.i.f.

SEEDS.—ANISE.—Cyprus is offered at 1s. 6d. per lb., and Turkish at 1s. 5½d. per lb., duty paid, both spot London. CARAWAY.—Dutch remain quiet. Sellers quote 11d. per lb., duty paid, spot London.

CELERY.—Indian is unchanged at 1s. 3d. per lb., spot London or Liverpool. CORIANDER.—

Market remains dull, buyers not showing any interest in spite of reduced quotation.

Argentine is 42s. to 42s. 6d. per cwt., duty paid. Splits offered at 32s. 6d. per cwt., duty paid, ex wharf London or Liverpool.

CUMIN.—A little more enquiry. India reported sold at 210s. per cwt. spot London. Cyprus, now landing, is 210s. per cwt.

DILL.—Indian remains firm at 47s. 6d. per cwt., spot London, and 46s. 6d. per cwt. in Liverpool.

FENNEL.—Indian unchanged 72s. 6d. per cwt. is quoted spot London, at 70s. per cwt., ex store Liverpool.

FENNEL GREEK.—Indian is firm both spot and for shipment; 47s. 6d. per cwt. quoted for spot forward (August-September shipment) quotations vary from 49s. to 56s. per cwt., c.i.f. U.K. ports

SENEGA.—A fair export inquiry, but home-trade business negligible; spot price are from 10s. 6d. to 11s. per lb.

SHELLAC.—Spot quotations, ex warehouse, London, F.O.T.N. pure, 325s. F.O. Standard 1, 335s.; fine orange, 345s. to 385s. per cwt.

TURMERIC.—Madras finger on the spot quoted at 110s. per cwt.; shipment quotations have risen to 105s., c.i.f.

WAXES.—The market remains quiet, with spot business small. BEES'.—Dar-es-Salaam on spot is offered at 320s. per cwt.; shipment, 295s., c.i.f. Lindi is quoted at 325s. spot, and 290s. per cwt., c.i.f., forward

Benguela, 345s. per cwt., duty paid; in bond 315s.; shipment, 300s., c.i.f. CANDELLILA.—Spot, 385s. per cwt.; shipment, 375s.

CARNAUBA.—Prime yellow on spot is priced at 650s. per cwt.; shipment, 610s., c.i.f.

Fatty grey on spot, 410s. per cwt.; afloat 405s., c.i.f.; for shipment, 400s., c.i.f.

Chalky grey, 405s. per cwt., spot; shipment, 390s., c.i.f. MONTAN.—Reibeck, 300s. per cwt., spot, and Czechoslovak crude, 265s.

OURICURI.—7.5 per cent. 375s. per cwt. spot; 1 per cent. 410s., spot, and shipment 395s., c.i.f.; 5 per cent. shipment, 370s., c.i.f.

SFERMACETI.—Quoted at 3s. 6d. per lb., spot

Essential and Expressed Oils

ALMOND.—Sweet oil, 8s. to 9s. per lb. Bitter essential oil is quoted from 30s. to 45s. per lb., as to quality and seller.

ANISE.—Chinese star, in drums, 5s. 6d. per lb.; for shipment, 5s. 6d., c.i.f.

APRICOT KERNEL.—Spot offers are from s. to 7s. 3d.

BAY.—For West Indian on the spot merchants ask 7s. 6d. to 8s. 6d. per lb.

BITTER ORANGE.—Sicilian, for shipment, is quoted at 13s. to 13s. 6d. per lb., c.i.f.; nominal spot value, 15s. to 16s. Jamaican oil, 15s. 6d., c.i.f.

CAMPHOR.—White oil on the spot is quoted at 2s. 9d. per lb., duty paid.

CARAWAY.—English-distilled is offering at 17s. to 40s.; imported oil, 28s. to 30s. per lb., quoted.

CASTOR.—Controlled prices are unchanged: Firsts, £180 per ton; seconds, £176, naked ex works.

CINNAMON.—B.P. oil, 60s. to 70s. per lb. Bark oil is available at 12s. per oz. Leaf oil, on the spot, is at from 7s. 9d. to 10s. per lb.

CITRONELLA.—Ceylon is offering at 3s. 6d. per lb., spot, and 3s. 3d., c.i.f. Java on spot is 7s. 6d. per lb.; 6s., c.i.f.

CLOVE.—Quotations for English-distilled bud oil are at from 10s. 6d. to 11s. per lb.

CORIANDER.—English-distilled is quoted at 260s. per lb. In fair supply.

CUBEBES.—English-distilled is offered at 55s. per lb.

CUMIN.—English-distilled oil is quoted at 75s. per lb.

DILL.—Market is steady. English-distilled oil, about 75s. per lb.

EUCALYPTUS.—70-75 per cent. (B.P.), 4s. per lb. for drums, and up to 5s. 6d. for smaller quantities; 3s. 8d., c.i.f.

GERANIUM.—Bourbon is easier at from 50s. to 60s. per lb., as to grade.

GINGER.—Prices are from 70s. and upwards per lb., according to grade.

GUAIACWOOD.—Merchants are quoting 18s. to 20s. per lb.

LAVANDIN.—Spot quotations are from 9s. to 11s. 6d. per lb.

LAVENDER.—French, 38-40 per cent., is quoted at 21s. to 24s., spot; 40-42 per cent., 24s. to 25s. Spanish (spike) is steady at 9s. to 11s. per lb., spot.

LEMONGRASS.—Drums are quoted at 5s. 9d. per lb., with up to 6s. 6d. for smalls; shipment, 5s. 4d., c.i.f.

LIME.—West Indian is firm at 28s. to 30s. per lb., as to holder and quantity.

NUTMEG.—English-distilled oil is priced at from 39s. to 40s. per lb.

OLIVE.—Price to wholesalers is fixed at 29s. 8d. per gall. of 9 lb.

PEPPER.—English-distilled, 160s. per lb.

ORGANUM.—Quotations are from 18s. to 20s. per lb., spot, according to holder.

PATCOULL.—Seychelles on spot is offered 45s. to 50s. per lb.

ROSEMARY.—Spanish is offered at 7s. 6d. to 10s. per lb., as to quantity and quality.

ZANZIBAR CLOVES

The year's clove crop proved to be extremely small. Supplies of cloves passing through the Zanzibar central market and the Growers' Association's depot during the January-March quarter amounted to 4,226,057 lb. (equal to 30,186 standard bales of 140 lb. net), making a total of 9,472,871 lb. or 270,653 frasilas for the seasonal year commencing July 1, 1947. The figures do not represent the actual crop picked during the season, as many cloves were brought forward from previous season's stock held by growers and merchants. Exports to the United Kingdom in the first quarter of 1948 were 1,942 bales (271,920 lb.), 5.84 per cent. of the total exports. Arrivals of stems at the depot for the quarter totalled 877,607 lb., making a total of 1,391,240 lb. taken into stock for the period July-March. During the first quarter 1,486,733 lb. of stems and 258,186 lb. of cloves were used for distillation purposes. Exports of oil totalled 69,992 lb., of which the United Kingdom received 69,198 lb.

World Mineral Industries

No. 7—China Clay

The following table gives principal producers of china clay and their output (in long tons).

PRODUCING COUNTRY	1938	1941	1944
Great Britain	585,888	250,007	192,871
India	26,106	37,056	46,471
Australia... ..	21,897	9,091	9,704
Austria	(a)	(a)	115,060
Belgium (b)	25,009	(a)	(a)
Czecho-Slovakia	400,000	(a)	(a)
(estimated)			
Denmark—			
Crude	37,400	36,200	37,400
Washed and pressed	9,750	8,600	8,760
Washed waste	5,200	5,800	5,800
France	140,400	(a)	23,607
Germany—			
Bavaria	(a)	(a)	} (a)
Prussia	85,298	96,499	
Saxony	123,132	82,210	
Italy—			
Crude and kaolinic earth	73,772	} (a)	(a)
Washed	43,630		

(a) Information not available. (b) "Eurite" and koalinite.

TRADE MARKS

- (From "The Trade Marks Journal," July 7)
- "FIBROTAN"; by Ward, Blenkinsop & Co., Ltd., London, W.; 657,492. For industrial chemicals (1).
- "COPYCAT"; by Miles Aircraft, Ltd., Reading; 659,142. For photographic chemicals, and chemical products for printing purposes (1).
- "SOLPAX"; by Topax, Ltd., Shipley; 656,564.
- "APPLAUSE"; by Cavaleade Beauty Preparations, Ltd., London, S.W.3; B658,113.
- "ECSTASY"; by Potter & Moore, Ltd., London, E.10; 658,628. "JASCO" on shield device; by Jasco, Ltd., London, W.C.2; 659,084.
- "OLD COTTAGE"; by J. Grossmith & Son, Ltd., London, W.1; 659,732. For non-medicated toilet preparations (3).
- "ZACREAM"; by Hough, Hoseason & Co., Ltd., Levenshulme, Manchester; 658,105-06. For non-medicated and medicated toilet creams for the skin (3) (5).
- "SHEERAY"; by Pride Products, Leeds; 658,735. For non-medicated lotions for the hands (3).
- "THEROSEPT"; by Nipa Laboratories, Ltd., London, E.C.3; 660,819. For cosmetics (3).
- "SOLPAX"; by Topax, Ltd., Shipley, Yorks; 656,565. "GELOZAN"; by Westminster Laboratories, Ltd., London, W.C.2; 659,158.
- "ASTYLEN"; by Bayer Products, Ltd., London, W.C.2; 659,905. For pharmaceutical preparations and substances (5).
- "MELODORM"; by Imperial Chemical (Pharmaceuticals), Ltd., Slough; 657,288. For hypnotics, analgesics and anaesthetics (5).
- "ADMENTUM"; by Mead, Johnson & Co., Evansville, Indiana; 657,957. For pharmaceutical tonics (5).
- "SEPPELA"; by Robert Henry Andrews, Belfast; 659,475. For disinfectants and insecticides (5).
- "NYLO"; by Franes Trading Corporation, Ltd., London, N.W.2; 658,757. For medicated toilet paper, paper sanitary towels and pads for lavatory seats (5).
- "C.P.C. LUXURY" in monogram form (word "Luxury" disclaimed); by the Colindale Paper Co., Ltd., London, N.W.9; 660,464.
- "CREPTO"; by Cumberland Paper Co., Ltd., Cleator, Cumberland; 661,047. For medicated toilet paper (5).
- "CODOPYRIN"; by Glaxo Laboratories, Ltd., Greenford; B660,523. For analgesic preparations containing codeine (5).
- "DOLAGIN"; by May & Baker, Ltd., Dagenham; 661,274. For all goods (5).
- "BONECON"; by Savory & Moore, Ltd., London, W.1; 660,394. For hearing aids for the deaf (10).
- "LA SIRENE"; by Osborne, Garrett & Co., Ltd., London, W.1; 661,037. For electrical instruments and apparatus for surgical and curative purposes (10).
- "ATLAS"; by Velvet Crepe Paper Co., Ltd., Alperton; 642,506. For non-medicated toilet paper (16).
- "DISPENSALENE"; by Commercial Supplies Syndicate, Ltd., Derby; 658,258. For non-saponeous preparations for cleaning the hands (3).
- "CHEN YU"; by L. J. Ruskin, Ltd., London, E.C.2; 659,284. For soaps in solid, liquid and flake form (3).
- (From "The Trade Marks Journal," July 14).
- Device of Tower Bridge; by Carmel Exporters Importers, Ltd., London, E.C.3; 658,890. For industrial chemicals (1).
- "BIANCA MOSCA" and device of fly; by Bianca Mosca, London, W.1; 654,845. "WEIL"; by Parfums Weil Paris, Ltd., London, S.W. 656,087. "KARYL"; by Kerka Permane Waving, Ltd., London, W.3; 657,255.
- "SASHEER" and "BOBS & BABS"; by Pri Products, Leeds; 658,731 and 658,736. "KE SAKE" on device of open heart-shaped locke by Gainsborough (Twickenham), Ltd., Twicke ham; 660,919. For non-medicated toilet preparations (3).
- "PUKCLEN"; by William Fletcher, Horshar 658,267. "LAFLUSH"; by Aranal, Ltd., Weyn Garden City; 660,203. For all goods (3).
- "FLUORDENT"; by Harry Ibbetson, Stevenag 659,943. For dental cleaning preparations (3).
- "ULYSSE"; by Calixte, Paris; 660,290. For perfumes (3).
- "THANX"; by Leonard Amorose, Dublin; 661,111. For non-medicated preparations for the skin, and preparations for the hair and teeth (3).
- "HUGHVET"; by John Clifford Hughes, Lydne Glos; B650,838. "COILA"; by Codella Seltze Ltd., Aberdeen; 659,771. "KYZEMA"; by V. E. Wall, Ltd., Hull. For pharmaceutical preparations and substances (5).
- "WAHOONYL"; by Publirex, Villefranche-su Saone (Rhône); 650,905. For pharmaceutical preparations containing euonymine (5).
- "CATARGOL NASAL DROPS" in distinctive letterin in rectangle; by Welsh Pharmaceuticals, Ltd Aberdeen; 655,088. For nasal drops (5).
- "SOLUSOUFRE"; by Sulfarsenol Laboratories, Ltd Alperton; B655,978. For pharmaceutical products consisting of or containing sulphur (5).
- "DEXTRAGAR"; by Angelo Mariani, Nully-su Seine; 656,156. For agar preparations f pharmaceutical purposes (5).
- "VIMINAL"; by U.S. Vitamin Corp., New Yor 657,152. For vitaminised preparations for pharmaceutical purposes and for use as diete foods (5).

A PHARMACIST'S ANTHOLOGY

THE grocer is rich, he is romantic, he is poetical in the truest sense, but he is not —no, he is not supernatural. But the chemist! All the other shops stand in Notting Hill, but this stands in Elf-land. Look at those great burning bowls of colour. It must be from them that God paints the sunsets. It is superhuman, and the superhuman is all the more uncanny when it is beneficent. That is the root of the fear of God. I am afraid.

From "The Napoleon of Notting Hill" by G. K. Chesterton.

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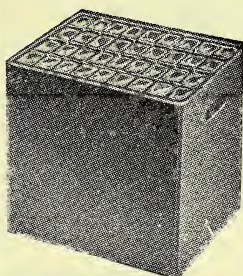
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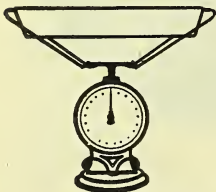
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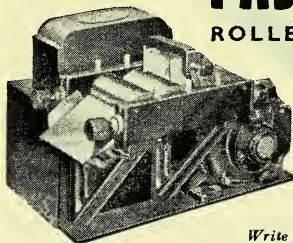
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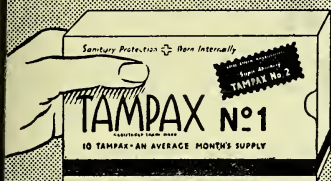
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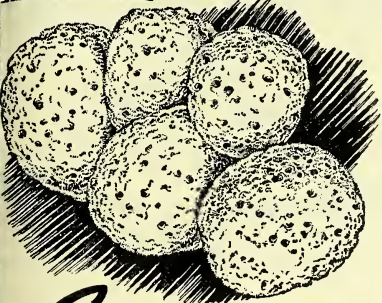
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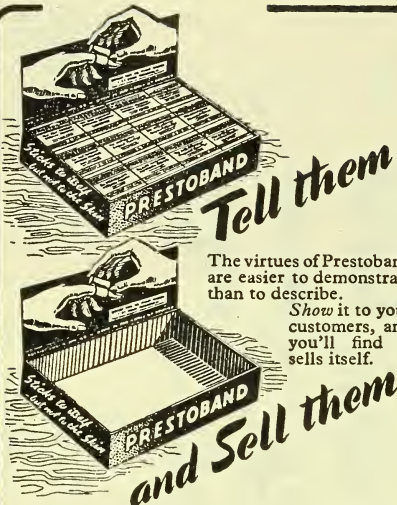
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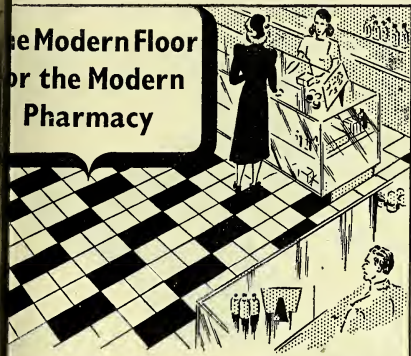
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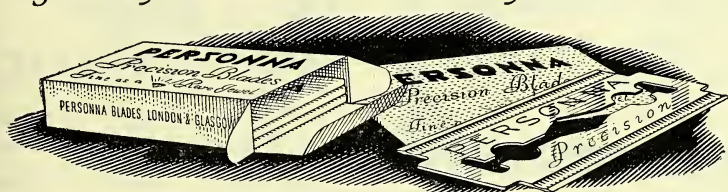
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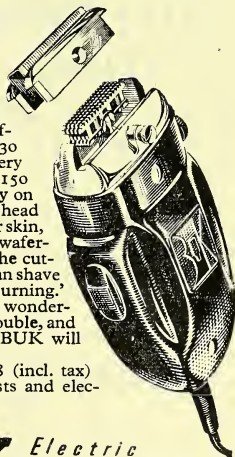


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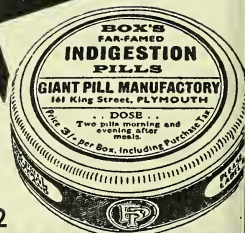
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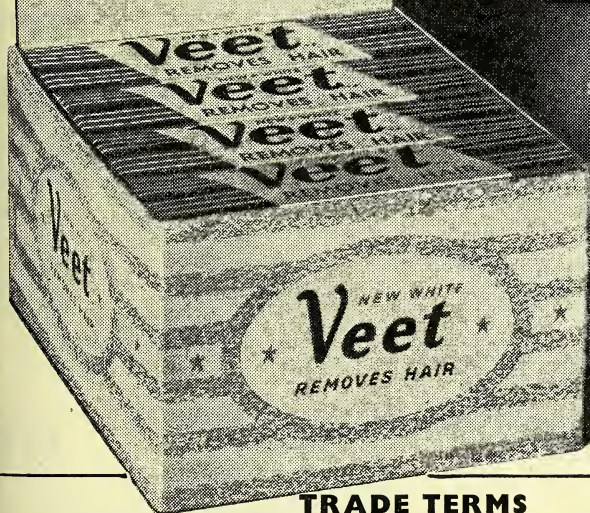
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The unique Alka-Seltzer combination of acetyl-salicylic acid, sodium bicarbonate and citric acid is just what is needed on holiday. This refreshing drink gives quickest relief from the headaches, acid indigestion, muscular aches and pains, and annoying 'upset conditions' which so often spoil holidays. This year, with our special topical advertising, your Alka-Seltzer sales can break all records.

Alka Seltzer

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Alka-Seltzer... What's the score?

For fast relief from aching joints and muscles, there is nothing like Alka-Seltzer. It's the only drink that has the unique combination of acetyl-salicylic acid and sodium bicarbonate. It's the only drink that has the unique combination of acetyl-salicylic acid, sodium bicarbonate and citric acid. It's the only drink that has the unique combination of acetyl-salicylic acid, sodium bicarbonate and citric acid. It's the only drink that has the unique combination of acetyl-salicylic acid, sodium bicarbonate and citric acid.

Alka Seltzer

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When your holiday fun is overbalanced by headache, acid indigestion or other holiday ailments, Alka-Seltzer will give you the relief you need. It's the only drink that has the unique combination of acetyl-salicylic acid, sodium bicarbonate and citric acid. It's the only drink that has the unique combination of acetyl-salicylic acid, sodium bicarbonate and citric acid.

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Eade's Rheumatic and Gout Pills, the remedy with a 100 year old fame.

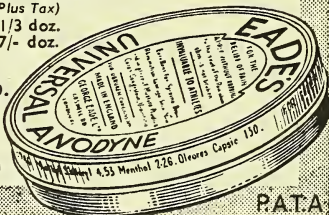
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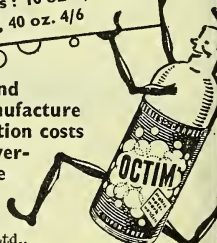
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Supplement is included in every copy of Chemist & Druggist

JULY 24
1948

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London. Wholesale Drug business for sale. Specialities. Net Profit under management last year over £3,500. Security of tenure. Valuable stocks. Travellers. Increasing business. Total purchase price including Valuable stock approximately £12,000.

South Africa. We have four substantial businesses for sale in the Durban district, the purchase prices being £5,000, £5,500, £9,100 and £2,250 respectively. Separate Vendors. Full particulars upon application with introduction to South African Agent. Wholesale Houses may give

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Telephone: TEMPLE BAR 9212/3—6340

Telegrams: Orridgechem, Estrand, London

purchasers financial assistance.

4. South Coast. Two Drug Stores for sale, separately or together. Well situated in Hove and Worthing. Small living accommodation available at Hove. Scope for Pharmacists. Substantial businesses. Vendor having acquired other interests will refuse no reasonable offers. Substantial turn-overs. Main road position.

5. North of England. Wholesale Distributing business, turnover about £600 per week. Ill-health reason for sale. Valuable Lease. Travellers. Total price to include very substantial stock about £15,000. Details upon receipt of Bankers reference. Other similar businesses for disposal in Midlands, etc.

6. Wiltshire. Important town. Very well established business taking between £90-£100 p.w. Good Dispensing. Net Profits estimated at £1,200 per annum. Heavy stock. Fixtures estimated at £600. New Lease. Price required for the Goodwill £2,000. Further details upon application.

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8. Hampshire. Well-established business. Turnover last year approached £9,000. Net Profit to managing proprietor over £1,300 per annum. Long Lease at £185 per annum. **INCREASING TURNOVER.** Stock, Fixtures and Fittings approach £2,500. Private house may be available. Full details upon request.

SALES, PURCHASES, VALUATIONS, STOCKTAKING and ASSESSMENTS

BUSINESSES FOR DISPOSAL

for 36 words or less, 3d. for every additional word

GHION. Chemists business for sale owing to difficulties. Turnover last year £3,978. No opposition. Stock £900. Offers invited, or to consider partnership with view to succession. Site, Ridgeway, Woodland Drive, Hove.

UG STORE in main road London-Essex border. Good takings. Prominent position. Living accommodation available. Equally suitable chemist-drug-multiple store. Box 4/213.

UG STORE, immense scope for dispensing; no opposition; densely populated area. Large shop, modern property, ample living accommodation, garden. Rent £150 p.a. £2,000 all at. Clarence Business Agency, Clarence Rd., Southend-on-Sea.

IE. Controlling interest in small manufacturing wholesale company for sale. Excellent opportunity for energetic man. Rather neglected, but capable of great expansion. Capital required about £500-£3,000. Box 4/200.

NDON, N.W.1. Regent's Park area. Drug store with living accommodation with exceptional opportunity for conversion to a pharmacy. Doctor's surgery next door. Full particulars from Baries & Pratt, 4 Charlwood St., Victoria, London, S.W.1.

LONDON. Old-established substantial group of retail businesses for disposal. Net profits last year over £6,000. Tenure secure. Three freeholds. Price required for the goodwill, £14,500. Freeholds, £7,500. Stock and fixtures at valuation. Address all communications to Orridge & Co., 184 Strand, W.C.2.

MAIN STREET, BEDFORD. Herbal stores with large surgical rubber trade. Long lease; rent £100, exclusive. Eight rooms, yard, outbuildings, side entrance. Electric, gas, Stock, fittings, goodwill, lease, £2,000. Phone Bedford 5430.

SOUTH COAST. Drug store, £4,500 turnover—easily doubled under qualified. Main shopping centre, double-fronted with flat; large showroom suitable optician or doctor. Side entrance, 10-year lease. S.A.V. £3,000, goodwill and fittings. Box 4/193.

SUIT MULTIPLE shopkeepers; first-class, modern, double-fronted shop, about 60 ft. and basement. Recently redecorated and modern upper part. Rear and side entrance, garden. Lease 35 years at £250 p.a. ex. Few yards from Bobby's, Suit any trade. Price for lease £2,000. Smith, 240 North-down Rd., Cliftonville, Kent.

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RETAIL (HOME)

A SMALL limited company in the London area have a vacancy for an experienced pharmacist to take control of a branch situated in the Middlesex area. The salary range would be between £450 and £500 per annum and there is attractive accommodation and a nice garden. Applications in first instance to Managing Director, Box 4/224.

AYRSHIRE. Pharmacist wanted to act as branch manager. An optical qualification will be an advantage. Permanency with entry into superannuation scheme after an initial period of service. Apply, giving full particulars of age, experience, and when available, to The Technical Supervisor, Scottish Co-operative Wholesale Society, Ltd., Retail Drug Department, 187 Bogmoor Rd., Shieldhall, Glasgow, S.W.1.

BOOTS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. Salary (male): Central London, £8 15s. to £10 5s. Metropolitan district, £8 7s. 6d. to £9 17s. 6d. Provinces, £8 to £9 10s. (Female): Central London, £8 5s. to £9 15s. Metropolitan district, £7 17s. 6d. to £9 7s. 6d. Provinces, £7 10s. to £9, according to age. Engagements are on a permanent basis with good prospects and eligibility for pension, life assurances, etc. There are also a number of vacancies for unqualified assistants fully trained in the business and including those dispensers who have been released by doctors, etc. Good remuneration with a view to permanency. Pension scheme, etc. Applications should be made to Retail Staff Department, Station Street, Nottingham, stating age, experience, and district required.

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CHEMIST. Qualified, male or female required for progressive pharmacy. A permanent position, offered to applicants with initiative and drive. Write, stating experience and salary required. Box 4/228.

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EXPERIENCED and capable manageress required September for high-class toilet counter in West of England pharmacy. Must be well-educated, a good appearance. Write in first instance giving particulars. Box 4/206.

LADY PHARMACIST, or Hall, required for busy modern dispensary. Ideal working conditions a comfortable flatlet if required. Apply in person by phone or by letter, to Robinson, The Pharmacy, Cookham Rise, Berks. Bourne End 369.

LEWIS & BURROWS require assistants qualified or unqualified in pricing stockbooks. Temporary. Apply 146 Holborn, E.C.1.

LONDON, E.2, near City. Assistant, qualified or unqualified, for two or three months during holidays. Give full particulars of experience, a list of references and salary expected. Apply (letter only), Pharmacist, 35 Sydney Rd., Stone Newington, London, N.16.

LONDON, S.E.1. Assistant (either sex) for busy near Waterloo Station. £8 per week. Busy N.E. with working and middle-class trade. All replies treated strictly confidentially. Can wait if necessary for suitable applicant. Box 4/99.

ORRIDGE & CO., Employment Agency, 184 Strand, W.C.2. Temple Bar 9212/3. Branches at Southampton and Birmingham. Enquiries invited from pharmacists and unqualified persons requiring situations. Many attractive vacancies available. Excellent opportunities existing in progressive permanent positions. Locum provided for. No charge to employees except registration fee. Apply to Strand, W.C.2, in first instance.

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PHARMACIST? If your ambition is to be a manager in an old-established private firm of chemists with a good salary and excellent prospects, including directorship, write for further particulars, Mr. Ltd., Ryhope, Sunderland, Co. Durham.

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QUALIFIED ASSISTANT required for country pharmacy. Young gentleman or lady, preferably single. Duties exclusively dispensing. A well salaried congenial position for a suitable applicant. Please reply in the first instance to Box 4/223.

QUALIFIED ASSISTANT required for counter dispensing in high-class pharmacy (T.S.A. Licence). High remuneration. Permanency. Chave & Jackson, Ltd., Hereford.

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QUALIFIED LADY or gentleman required early September. Hours 9.30 to 6 p.m. No Sunday extra duties. Good salary. Apply, W. T. Battrick (Chemists), Ltd., 34-36 New Park Rd., Brixton Hill, S.W.2.

QUALIFIED LADY pharmacist required by well known chemists in the West End London. Good prospects and pension scheme. Easy hours. Apply Box 4/185.

QUALIFIED MANAGER or managers for branch with living accommodation. Please give full particulars as to salary required, age and experience. Also lady assistant with knowledge of dispensing counter and window dressing. Apply, S. A. 69 Leytonstone Rd., E.15.

QUALIFIED MANAGER and assistant manager referred to West End pharmacy. Good salary, staff-sharing scheme and pension scheme available. Roster system allows convenient hours. No visits. Write or phone Georges (Chemists), Ltd., 21 King St., London, W.C.2. Whitehall 3774.

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QUALIFIED male assistant for City pharmacy, only dispensing. Good experience essential; three or staff. Permanency and good salary for good man. Full particulars in first letter. R. H. Cooper, Royal Exchange, E.C.3.

GENTLY REQUIRED. Qualified dispensing assistant for chemist's shop. Write, stating experience and salary required. Box 4/194.

ANTED, fully qualified chemist as departmental manager and buyer. Permanency. Annual trade £150. Apply, giving full particulars and references to the Secretary, Denaby Main Co-operative Society, Ltd., Doncaster Rd., Denaby Main, N. Lincolnshire, Yorks.

WESTON-SUPER-MARE. Experienced dispenser required, lady or gent. Apply, The Managing Director, Lewis Wing, Ltd., 86 Regent St., Weston-super-Mare.

DRUG PHARMACIST required with view to ownership by easy terms. Accommodation could be arranged. East Midlands. Box 4/162.

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DERBYSHIRE. Qualified locum required, any fortnight in September, for pharmacy in small market town. Box 4/160.

QUALIFIED LADY or gentleman locum required for 23rd August to 6th September, inclusive or 10th August to 11th September inclusive for chemists in country town in Bedfordshire. Accommodation found. Box 4/221.

QUALIFIED LOCUM, required urgently August 9th to 21st. Goddall, 94 Burley Rd., Leeds, 3. Tel. 5118.

LOCUM (qualified or unqualified) wanted, any four weeks (not necessarily consecutive) between August 9 and October 17. No half-day or Sunday duty. Bentley, 85 Kirkgate, Leeds, 2. Tel. 22065.

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ANALYTICAL CHEMIST required by London manufacturing chemists. Practical works experience of general routine analysis and alkaloidal assays of drugs, including opium, essential. 5-day week. Reply, giving particulars of experience, salary, etc., to Box 4/173.

AN ESTABLISHED firm of manufacturing chemists require representatives to cover the London area and Home Counties (Surrey, Sussex and Kent). Wide range of pharmaceutical preparations. Good existing connection will be handed over. Preference will be given to experienced men with live connection this area. Car owner essential. Salary and commission. Apply with full details, Box 4/189.

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ASSISTANT PHARMACIST (male 25-30) required to undertake technical supervision of manufacture and/or packing of ethical pharmaceuticals. Previous similar experience useful but not essential. Salary according to age, qualifications and experience. Write, giving full details (confidential) and quoting reference No. 1473 to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

BOOTS PURE DRUG CO., LTD., have a vacancy in their analytical laboratories for an assistant analyst, aged 25-35, with previous experience in the routine control of drugs and pharmaceutical preparations. Applicants should possess a suitable qualification, e.g., B.Sc., Ph.C., A.R.I.C. Salary according to age and experience. Good prospects of advancement for man capable of taking responsibility. Applications to Personnel Manager, Station St., Nottingham.

BURROUGHS WELLCOME & CO. Applications are invited for the position of manager of veterinary department. Previous selling experience and a thorough knowledge of veterinary therapeutics essential. Write, giving full details of qualifications and experience, to The Manager, Burroughs Wellcome & Co., 183-193 Euston Rd., London, N.W.1.

COMMISSION AGENTS required to sell to chemists and druggists in Scotland nationally advertised patented line. Full sales aids, including lists of customers, provided to successful applicants. Agents with proved sales records and good connections should send full details of lines now carried, Scottish Counties covered, whether car owner, and frequency of calls, to Box No. 254, Dorland Advertising, Ltd., 18/20 Regent St., London, S.W.1.

COSMETIC MANUFACTURERS expanding sales force require experienced representatives in the following areas: (1) Yorkshire. (2) Durham, Cumberland, Northumberland, Westmorland. (3) Lancashire. (4) Staffordshire, Shropshire, Worcestershire, Warwickshire. (5) London north of the Thames. (6) London south of the Thames. (7) Hants, Surrey, part of Kent and Sussex. (8) North Wales, part of Lancs, Cheshire and Derbyshire. (9) Cornwall, Devon, Somerset, Dorset, Wiltshire. (10) Beds, Suffolk, Norfolk, Cambs, Hunts, Northants, Leics, Notts, Lincs. Products are fully established, nationally advertised and of very high standing. Age 28-35, keen, energetic, and preferably with experience in cosmetics. Own car essential. Remuneration is by salary, commission, expenses and car allowance. Please send fullest particulars of career to date in confidence to Box 4/218.

ENERGETIC REPRESENTATIVES with sound established connections required to call on chemists. Excellent opportunity to carry well-known nationally advertised lines and a new unique medical product now prescribed by leading specialists. First-class agency can be developed on commission basis—Staffordshire, Warwickshire, Leicestershire, Derbyshire, Nottinghamshire; Northamptonshire, Oxfordshire, Berkshire, Lincolnshire, Norfolk, Suffolk, Part Essex; Cornwall, Devonshire, Somersetshire, Gloucestershire, Wiltshire; Yorkshire; Lancashire and Cheshire. Box 4/131.

EVANS MEDICAL SUPPLIES, LTD., require pricing clerk (male or female) for their London office. Write, giving particulars of experience, salary required, etc., to Office Manager, 50 Bartholomew Close, E.C.1.

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EXPERIENCED REPRESENTATIVE wanted for Birmingham area by manufacturers of surgical dressings, sanitary towels and druggists' sundries to call on chemists (and on drapers for sanitary towels only); connection an advantage; salary, commission and expenses. Box 4/193.

JUNIOR CHEMIST or laboratory assistant required by Cumming Parsons, Ltd., Collyhurst, Manchester, 9, Essence manufacturers. Apply by letter, giving full details.

MANUFACTURERS of exceptionally well presented range of finest quality pharmaceutical specialities, now re-organising territories, have vacancies for representatives or sole agents to take over and develop existing connections in: (1) London Postal district. (2) Kent, Sussex, Surrey, Hants. (3) West Country. (4) North Midlands. (5) Scotland. Applicants, preferably car owners over 40, must have proven record of successful selling to retail and wholesale chemists, stores and Co-ops. The position is permanent with unlimited scope. Generous remuneration in return for skilful conscientious service. Please reply giving exact territory and fullest details of qualifications, which will be treated with strict confidence. Box 4/210.

MIDLANDS REPRESENTATIVE required by leading brush manufacturer (national advertiser) to call on wholesale trade. Must own car. Generous salary, expenses and commission. Box 4/205.

M.P.S. (under 30) required for London sales office. Full particulars of experience and salary required to Box 250, Curzon International, Ltd., 11 Duke of York St., S.W.1.

OFFICE MANAGER with experience handling large-scale sales to chemists and chain stores required in South London factory and office. Write Box 4/196.

OLD-ESTABLISHED FIRM of wholesale and manufacturing chemists require a representative for Yorkshire and the Midlands. The applicant must have experience in selling pharmaceutical preparations and galenicals, etc., to doctors and retail chemists, and must be a car owner. Only gentlemen who have an excellent connection with retail chemists should apply for this position, which carries salary, commission, expenses and car allowance. Box 4/201.

PHARMACIST (male) required for medical information department. The duties are of a non-commercial nature and require a knowledge of therapeutics and medical subjects generally. Hospital experience an advantage but not essential. Apply initially in writing giving brief resumé of career and quoting reference No. 1498 to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

REPRESENTATIVES calling on chemists required by manufacturers of good quality toilet bags and powder puffs. Excellent commission given. Full particulars, including areas covered and kind of lines now carried, in first letter please. Box 4/184.

PUBLICITY. Copywriter required for ethical medical, veterinary and pharmaceutical advertising material. Previous publicity and sales experience useful but not essential provided there is a genuine flair for copywriting. Pharmacist with some experience as a medical representative would be particularly suitable. Initial salary £500-£600 according to qualifications and experience. Apply initially in writing, quoting reference No. 1651 to the Personnel Office, May & Baker, Ltd., Dagenham, Essex.

REPRESENTATIVE required to sell baby powder and cosmetics on a commission basis for Yorkshire and Lancashire. No objection to other lines being handled. Box 4/216.

REPRESENTATIVE on commission terms required for Midlands to call on manufacturing chemical wholesalers, hospitals and local Government departments, offering pills, tablets, lozenges, capsules, suppositories, manufactured by old-established company. Must have present well-established connection in this trade. Write Box 4/157.

REPRESENTATIVES required by manufacturers well-known toilet brushes and accessories about to launch new lines for coming season. Must be well introduced to leading stores and have active connections chemists and hairdressers. Commission basis only. Give details of territory covered a state if car owner. Box 4/209.

REPRESENTATIVES required for Midlands, Herefordshire, Lancashire, Yorkshire, Eastern County S.W. England and Wales. Nationally advertised product. Sound connection chemists essential. Owners preferred. Only first-class applicants considered. Salary, commission, expenses. Full particulars. Write Box 539 Arthur S. Dixon, Ltd., High Holborn, W.C.1.

REPRESENTATIVES required to sell one line exclusive perfume (supplies restricted to high-class chemists and stores); good commission basis, ability proved. All correspondence confidential. State territory covered. Box 4/191.

REPRESENTATIVES required to carry on a general commission and expenses basis exclusive and high class cosmetic lines. Only representatives with good existing connections with chemists, hairdressing and cosmetic trades need apply. Areas: Scotland, Northern Counties, Midlands and South Coast. Box 4/227.

SALES MANAGER, must be thoroughly experienced and able to handle home market. Knowledge export market would be desirable. State salary and full particulars of experience, age, etc. Thompson & Capper Wholesale, Ltd., Speke Rd., Liverpool, 19.

SALESMAN/REPRESENTATIVE to visit doctors, chemists, hospitals; ethical products; car owner preferred; resident on territory. (a) Midlands. Yorkshire. (c) Scotland. Box 4/144.

TABLET-MAKER, experienced in all branches tablet production, required by well-known company N.W. London area. Write, stating age, experience and salary required, to Box 4/212.

TABLET MAKER required, fully experienced in rotary and single punch machines. Knowledge granulating an advantage. Apply, The Coo Laboratory, Watford, Herts.

WANTED. (1) Export manager, capable of taking charge and developing existing export business experienced in all shipping formalities, thorough up-to-date with import-export and finance regulations, conversant with markets, preferably with knowledge of industrial and fine chemicals. Excellent prospects for a capable experienced man with initiative and drive. (2) Assistant to above with similar qualifications. (Male or female) Apply with full details in confidence, to Box 4/1

WELL-KNOWN old-established house requiring qualified drug representative for Hants, W. Dorset and East Sussex. Car owner preferred. Connection already established. Salary and expenses. Box 4/215.

WORKS MANAGER with large-scale cosmetic pharmaceutical knowledge required for new synthetic factory. Must have practical mass production experience. Write Box 4/195.

CHEMIST required for executive position London firm of manufacturing chemists. Applicants must be experienced in galenical manufacture and the supervision of poison and D.D.A. and be capable of carrying out assay and analysis of products. Excellent opportunity for the man. Please apply in own handwriting, stating qualifications, experience, and salary rate to Box 4/217.

SITUATIONS WANTED

18 words or less, Id. for every additional word

RETAIL (HOME)

NSER, Hall, wide experience, seeks morning East London chemist, institute or doctor. Box 4/168.

CTAKING, quiet and efficient workmanship, 30 years' practical experience. Personal super-C. W. Playfoot, 8 Aylward Rd., Merton S.W.20. Tel. Liberty 4104.

JALFIED, seeks situation, London. Over 20 good counter and dispensing experience. Box 4/198.

NG QUALIFIED, 9 years' experience, home and abroad, seeks progressive position in London. State your accommodation available. Highest reference Box 4/198.

OCUMS SEEKING ENGAGEMENTS

PITAL locum tenens dispenser free two weeks at 9th-21st. L.C.C. experience. London only. Box 4/229.

WHOLESALE

SALES MANAGER requires position. 15 years' experience. First-class knowledge of proprietaries rubber trade. Widely travelled and linguist. Excellent connection with leading wholesale buyers. Please apply Box 4/220.

APPOINTMENTS

**ANCOATS HOSPITAL,
Mill Street, Manchester, 4**

PHOTHECARY HALL ASSISTANT required for pharmaceutical department. J.N.C. salary scale. Hospital experience an advantage. Applications, accompanied by two references, should be addressed to the undersigned to be received not later than Saturday, August 21, 1948.

JOHN H. DAFFORNE,
Gen. Supt. and Secretary.

**ASHFORD HOSPITAL, ASHFORD,
MIDDLESEX**

REGISTERED ASSISTANT PHARMACIST required by 16th August. Similar experience may determine commencing salary on inclusive J.N.C. (Hospital Staff) Scale. £370 p.a. to £450 p.a. Non-resident. Whole-time. Established. Pensionable. Subject to medical examination and one month's notice. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials, to Medical Director by 7th August quoting E.752 CD).

HILL END HOSPITAL, ST. ALBANS

ASSISTANT PHARMACISTS required. Salary in accordance with the Joint Negotiating Board's Report (Hospital Staff). (£370 p.a. rising by £15 p.a. to £450 p.a. inclusive of cost of living bonus). Apply, stating age, qualifications and particulars of experience, to Medical Director.

FOREST GATE HOSPITAL

ASSISTANT PHARMACIST

Applications are invited from persons whose names appear on the Statutory Register of Pharmacists for the appointment of Assistant Pharmacist at Forest Gate Hospital. The duties are whole-time; 39 hours per week and no Sunday work. Salary in accordance with National Joint Council Scale, viz.: £370 x £15 to a maximum of £450. Newly qualified Pharmacists will be considered. Applications, stating age, qualifications and experience, together with copies of three testimonials, to be sent as soon as possible to the Secretary of the Management Committee, West Ham (Group 9), Queen Mary's Hospital for the East End, Stratford, London, E.15.

HILL END HOSPITAL, ST. ALBANS

ASSISTANT PHARMACIST (Locum Tenens), male or female, required for duty immediately. Salary £8 8s. per week with full board, lodging and laundry. Apply, stating age and qualifications to the Medical Director.

**JESSOP HOSPITAL FOR WOMEN,
SHEFFIELD**

ASSISTANT PHARMACIST (female) required immediately. Salary in accordance with J.N.C. Scale including lunch and tea when on duty and overall's Superannuation Scheme in force. Applications with full particulars to the Superintendent and Secretary, Jessop Hospital for Women, Leavygreave Rd., Sheffield, 3.

METROPOLITAN HOSPITAL

KINGSLAND ROAD, LONDON, E.8.
ASSISTANT PHARMACIST REQUIRED. Salary in accordance with J.N.C. Scale, plus lunch and tea. Federated Superannuation Scheme in force. Hours 9-5 p.m. No Sunday duty. Hospital experience preferred, but not essential. Applications, giving age, experience and references, should be sent to the House Governor.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST required at HILLINGDON HOSPITAL, Nr. Uxbridge, Middlesex. J.N.C. (Hosp. Staffs) scale £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Established, pensionable, subject to medical examination. Recently qualified pharmacists considered. Application, stating age, qualifications, experience, enclosing copies of up to three recent testimonials to MEDICAL DIRECTOR, immediately, quoting D.444, CD. No forms. (Male candidates to state position with regard to Military Service.)

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST for NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. J.N.C. (Hospital Staffs) Scale. £370 to £450 inc. Similar experience may determine commencing salary. Whole time, established, pensionable, subject to medical examination. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital immediately (quoting D.591 CD). No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST required at HAREFIELD COUNTY HOSPITAL, Harefield, Middx. J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, unestablished, possible establishment, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to 3 recent testimonials, to MEDICAL DIRECTOR at Hospital, IMMEDIATELY (quoting E.146 CD).

PORTSMOUTH MUNICIPAL COLLEGE

Principal: Leonard B. Benny, M.A.

SENIOR ASSISTANT IN PHARMACEUTICS Applications are invited for this post to teach bacteriology and allied pharmaceutical subjects to the standard required for the diplomas of the Pharmaceutical Society and the Hons. B.Pharm. (London). Applicants should possess qualifications which would be recognised as adequate by the Society and the University. Research experience will be a recommendation, and the person appointed will have time and opportunity to undertake research. Salary scale £700-25-£800 with allowances according to Burnham Technical Scale. Forms of application and further particulars may be obtained from the Registrar.

E. G. BARNARD, M.A.,
Chief Education Officer.

**QUEEN MARY'S HOSPITAL
FOR THE EAST END**

Stratford, London, E.15

ASSISTANT PHARMACIST

Applications are invited from Registered Pharmacists for this appointment. Salary Scale £370 per annum with annual increases of £15 up to £450 per annum. Commencing salary within scale according to qualifications and experience. Applications, giving full particulars of age, qualifications and experience, together with copies of recent testimonials, should be sent as soon as possible to the undersigned.

J. S. STREET,
Deputy House Governor.

**REDHILL COUNTY HOSPITAL
EDGWARE, MIDDLESEX.**

REGISTERED ASSISTANT PHARMACIST required. J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience with copies of up to three recent testimonials, to Medical Director of Hospital immediately (quoting D.815 CD). No forms

ROYAL FREE HOSPITAL

LOCUM ASSISTANT PHARMACIST or DISPENSER required immediately for Royal Free Hospital, Hampstead Branch, Lawn Road, N.W.3, for an indefinite period. Salary—qualified, £9 per week; unqualified, £7 7s. per week. Prospects of a permanency for qualified person. Apply to the House Governor, Royal Free Hospital, Gray's Inn Road, London, W.C.1.

**WEST SUFFOLK GENERAL HOSPITAL,
BURY ST. EDMUNDS.**

UNQUALIFIED ASSISTANT DISPENSER required immediately. Applications should be addressed to the Secretary, giving full details of experience.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

ACTIVE AGENTS required, selling famous line sanitary towels to retail trade. Commission a expenses. Box 4/226.

A FIRM in Johannesburg, well acquainted with trade would like to contact manufacturers of artificial limbs and surgical requisites with a view represent or purchase direct. Box 4/202.

AGENTS REQUIRED in all parts of the country, sell products on a commission basis to both retail and wholesale trade. Details as to present list and connection to Box 4/139.

AGENTS WANTED for all parts of U.K. for well established range of beauty products. Commission basis only. Write, giving area covered and indication of other lines carried, to Box 4/21.

PANCHROMATIC ROLL FILM—120, 620 and 135 available. Guaranteed products. Retail London agent required. Delivery outside London area C.O.D. terms. Write E.277, c/o Streets, 110 C Broad St., London, E.C.2.

REPRESENTATIVES calling on chemists, Co-ops, etc., wanted to carry additional quick-selling line on commission-basis. Box 4/155.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

INCOME TAX problems settled, books kept a accounts prepared. Fees for small traders approx 25/- per month, dependent upon work involved. Forest Hill 3752, Tudor 5717, Larkwood 31040 Winsford Rd., S.E.6.

LEADING IRISH importers and distributors to chemists throughout Eire have in course of erecting commodious modern factory (10,000 sq. ft.) which they can undertake packing and/or manufacturing of proprietaries, chemist sundries and pharmaceutical products, etc., for British manufacturers. Production commencing September. Box 4/93.

MANUFACTURING CHEMISTS have facilities a space available for the manufacture, packing a bottling of domestic, toilet and industrial products. Frank Macowal, Ltd., 30 Loughborough S.S.E.11. Tel.: Reliance 3435.

PROPRIETARY with twelve shops, seeks interest in modern tablet manufacturing company in Yorkshire. Full particulars to H. L. Crookes, Beverley Rd., Hull, Yorks.

SELLING ORGANISATION with proven record wishes to contact actual manufacturers desiring help in sales to the home market. Only first-class products with reasonable commission basis of payment considered. Results assured to right applicants. Box 4/140.

"STRAIGHT TO THE MARK" service by Arrow Products (Prepackers), Ltd. Experts in hot washing, drying and sterilising. Prepacked labellers and folders, all trades. Powder, table cream or liquid filling. Direct dispatch if required. Inquiries: 13 St. Pauls Close, Hounslow Hounslow 0378.

TABLETS. A well-known food manufacturing company have available tableting capacity. Large quantities can be handled quickly and efficiently under hygienic conditions. Complete packaging can be arranged if required. Inquiries to Box W.7. Haddons', Salisbury Sq., London, E.C.4.

WHOLESALE DISTRIBUTORS and agents well established cover U.K., sound connections chemists, hairdressers, multiple stores, etc., and a rapidly-developing export organisation, inv manufacturers' offers of sole agencies or special home territories. Box 4/145.

WHY NOT BE A SALESMAN with our professional training and guaranteed appointments service which secured 1,000 salaried sales vacancies in 1947? Previous experience unnecessary with 6-25 years' specialised experience to aid you. See today for free details. Wallace Attwood Colley, Dept. 84, Attwood House, Finchley Rd., London N.W.3.

MISCELLANEOUS SALES

6 for 36 words or less, 4d. for every additional word

TILES. Several gross 2-oz. and 8-oz medical at 22/6 and 27/6. 2-oz. and 4-oz. panels, etc enamelled caps, 31/-, 36/6. 2-oz. cylindrical metallic squat necks, black compo. caps, 31/-. z. white flint pomades, bronze metal caps, 28/-. Carriage paid. R. B. Congdon, Gunnislake, Cornwall.

MPLEATE BATTERY tablet making plant, consisting of three single punch and one double punch let machines for sale. Can be seen working by appointment. Apply Hirst, Brooke & Hirst, Ltd., epscar Works, Leeds, 7. Phone 32561.

CONTINUING DEPT. Saccharine. 45 gross keets 100's, standard strength 0.2 gr., 84s. gross keets (plus quota to follow). Also 600 dozen 1/2 size Colognes, lavender water, brilliantine, k wave set, spirit lotions, assorted, clear 7s. 6d., plus Purchase Tax. Would split parcel. Box 4, c/o George Murray (Advertising), Ltd., 184 and London, W.C.2.

R SALE. A quantity of white and yellow petron jelly, packed in 2-oz. attractive tins. Also quantity of 2-oz. attractive tins printed "Petron Jelly B.P.C." Any reasonable offer accepted. Replies on application. Box 4/197.

LAND ADELPHI DISINTEGRATOR, complete a hopper and 15 h.p. motor, A.C. 440 volts. Enquiries asked. T. W. Jackson & Crockett fillers for orders, one only with motor. Gardner size "E" combined sifter and mixer, without motor. Also Edge runner mill, without motor. Box 4/151.

ER LID TINS, 3 in. x 3 1/2 in., brand new, 150 s. 47s. 6d. per gross at warehouse. Box 4/203.

E FILTER PRESS by Johnson having 15 cast-plates 19 in. x 20 in., washing type. Also 10-plate press 15 cast-iron plates 21 in. x 20 in. 10 s. £250, each ex site. One cast-iron vacuum 11, 7 ft. x 4 ft. 6 in. x 4 ft. deep, having 16 in.-welded platens suitable for 30 lb. Maximum super close-locking door. Price £550 nett, ex Derbyshire. Please write further information 4/208.

WARDS. Silk screened in multi colours, at 1/- each. The most economical printing process and the cleanest in finish. We specialise in manufacturing and wholesale chemists' lines. Let us prepare a card for one of your products. Alan Studio, Park Ave., Tankerton, Kent.

VERTICAL MIXERS having mild steel vertical cylindrical open-top non-jacketed mixing pans approximately 18 in. dia. x 3 ft. deep held in a anti-bully built frame with hand-operated worm quadrant, heavily built tilting gear. Complete portable propellor-type mixers driven by A.C. motors. Price each £80 ex site. Please write for information Box 4/207.

PLUS MATERIAL for disposal. Stearic acid 128° F., at 2s. 3d. per lb. Paraffin wax, 130/5° F., at 90s. per cwt. Triple pressed stearic acid, 3s. 3d. lb. Glycerine, B.P., 3s. lb. maceti, B.P., 3s. 2d. lb. White petroleum B.P., 80s. per cwt. White mineral oil, Pool 4s. 6d. per gallon, for prompt delivery. Padu Products, Ltd., Avenue Works, Avenue Close, London, N.W.2. Willesden 1456/7. Willesden 2161.

DESALER has 650 gross No. 3 (1 1/2-oz.) bottles caps and sleeves, 1,600 gross 1 1/2-oz. (2 1/2 in. round tins, 180 gross 31-oz. (4 1/2 x 3 in.) tins all in good condition. Write offers to 4/119.

OW and white petroleum jelly, B.P. Also kerosene oil and technical white oil for disposal, by Competitive Remedies, Ltd., 35 Ripple Barking.

1-GALLON CANS, seals and caps. Soldered. Apply O.C.P., 28 Peterborough Rd., 16.

FOR SALE

8/6 for 36 words or less, 3d. for every additional word

A SMALL QUANTITY of aspirin powder, caffeine citrate and phenacetin surplus to our stock. Offers invited. Box 4/190.

COMPLETE OPTICAL OUTFIT, oak trial case, glass top and drawer below containing 140 lenses, prisms, etc.; also trial frame, new ophthalmoscope chart, text books, etc. £60 or offers. A. N. Morrison, 16 Radcliffe Ave., Harlesden, N.W.10.

CONTENTS of doctor's dispensary for sale complete; 6 chests of drawers, teak counter, about 1,000 clearly labelled bottles of drugs, shelving and dispensing equipment, pill boxes and medicine bottles. Offers for the lot to Gilford, 45 St. Peter's St., Bedford.

EAU DE COLOGNE FARINA, de luxe. 100 gallons surplus. Well matured, full-strength, in returnable 10-gallon drums. Samples on request. What offers? Box 4/188.

HALF-GALLON and one-gallon stone bottles, wickered and unwickered, for sale. Also half-gallon and one-gallon glass bottles with handles, half-pint stone bottles and various other sizes. Packing cases available for half- and one-gallon bottles. T. Gunn (Rayleigh), Ltd., 206 London Rd., Rayleigh, Essex. Phone Rayleigh 87.

LOZENGE MIXER. A heavy Werner-Pfeiderer double paddle, 35-lb. capacity. Perfect. £50 or nearest. Also Duncan Stewart tablet machine to make tablets up to 2 1/2 inches in diameter and 1 inch thick, complete with punches and dies for 2-inch tablets and multiple punches to make 7/8-inch tablets. Perfect order. Similar to Manesty No. 3 tablet machine. Inspection invited. Jasco, Ltd., 246 Bethnal Green Rd., E.2.

ONE "ALITE" "E" SIFTER MIXER with 3 h.p. 400 volt 3-phase motor. Box 4/152.

TWO TONS crystal sesquicarbonate of soda. Packed in 2-cwt. bags. £15 per ton (free bags). D. Devon, Ltd., 9 & 30 Norfolk Pl., Paddington, London, W.2. Telephone Paddington 2714.

WANTED

8/6 for 36 words or less, 3d. for every additional word

A LARGE DISTRIBUTING organisation wishes to acquire bulk quantities of medicated pastilles. Manufacturers capable of maintaining continuous supplies of a high quality pastille should apply to Box 4/183.

LABELLING MACHINES urgently wanted to purchase, or would recondition quick service. Please state age, condition, price required, Box 4/170.

LARGE QUANTITIES BOTTLES urgently required, 26-oz. gins, etc., c/m. also external and internal screw-thread type. Wines and vinear bottles c/m 20-oz. and smaller sizes wanted. Box 4/156.

OIL OF SAVIN. Advertiser requires 5 or 10 gallons immediately. State price to Box 4/134.

STEARIC ACID, triple pressed, required in large quantities. Box 4/2.

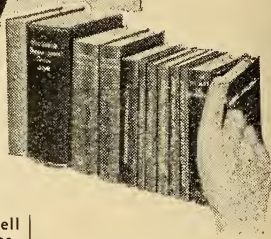
WANTED. Jars, 6-oz., tall (cream jars). Concentrated Foods, Ltd., Devonshire Works, Chiswick, London, W.4.

PARTNERSHIPS

PARTNER WANTED (qualified). Excellent shop in E. London. Tremendous scope for increase. Box 4/211.

Otherwise stated, address all replies to Box Numbers c/o THE CHEMIST & DRUGGIST, 28, Essex St., London, W.C.2

Technical Books for the Pharmacists' Library



THE ART OF DISPENSING. 11th Edition (1937). The standard authority on the subject. A practical manual and invaluable stand-by for every practising pharmacist. 11/3 post included.

DICTIONARY OF MEDICAL TERMS. 6th Edition (1939). Specially compiled for the use of pharmacists. Concise, yet fully comprehensive. A most useful work of reference. 9/3 post included.

DICTIONARY OF SYNONYMS. 1940 Edition. (Incorporating 'Rouses' Synonyms for the use of Chemists, their Assistants and Apprentices). This book contains the best features and essential information of its predecessors. Most useful in solving queries which arise at inconvenient moments. 5/9 post included.

DISEASES AND REMEDIES. 8th Edition, 1942. Specially written for the pharmacist. Enables him safely and accurately to exercise his privilege of supplying his own remedies for minor ailments. Over 300 pages of reliable information on modern medical practice in regard to everyday complaints and remedies therefore, make this book a necessity and a source of profit in every pharmacy. 9/9 post included.

HANDBOOK TO PHARMACY. 1st Edition, 1936. Reprinted 1944. By William Kirkby, M.Sc. Invaluable for rapid reference purposes in dispensary or laboratory. A book for past, present, or future students. 5/9 post included.

PRACTICAL METHODS OF URINE ANALYSIS. New Edition, 1944.

Re-written and thoroughly revised and up-to-date in every way, this book is an invaluable guide to an important branch of work which pharmacists are well qualified to handle. For beginner or expert, it contains much useful information concisely expressed. Every pharmacist should possess a copy. 8/3 post included.

A TEXTBOOK OF PHARMACOGNOSY. 4th Edition. (Denston).

This textbook provides a complete course in Pharmacognosy for the Chemist and Druggist Qualifying Examination, every aspect of the syllabus, theoretical and practical, being covered. Important new material has been added and the requirements of the Addendum 1936 incorporated. No student sitting for this examination should be without a copy. 27/6 post included.

LATIN FOR PHARMACEUTICAL STUDENTS.

(Cooper & Maclaren) 4th Edition, 1947. New Edition now available. Essential for apprentices and students. 8/3 post included.

PHARMACEUTICAL FORMULAS, VOL. 1. 11th Edition, 1944.

The most complete pharmaceutical formulary in the English language. Contains selected formulas from the British, United States and other Pharmacopœias together with non-official formulas from many sources, including descriptions of practical methods employed in the manufacture of pharma-

ceutical preparations and other information of practical use to pharmacists and manufacturers. 21/9 post included.

PHARMACEUTICAL FORMULAS, VOL. II. 10th Edition, 1941. Reprinted 1946.

'The Chemists' Recipe Book.' Contains tried and tested formulas for Adhesives, Beverages, Cosmetics, Culinary and Household Requisites, Horti-agricultural preparations, Inks, Lozenges, Perfumes, Photographic preparations, Polishes, Soaps, Varnishes, Veterinary Products, etc. The present edition has just been reprinted and supplies are now again available. Price 21/9 post included.

THE "C. & D." POISONS GUIDE. New (4th) Edition, 1944.

Greatly enlarged and exhaustively revised. An ingenious and swift vade-mecum to the intricacies of the Poisons Act, 1933, and all subsequent amendments. A necessity and safeguard to all pharmacists. In modern "Plastic Binding," flat opening, ensuring easy reference to over 3,000 entries, complete with index. 8/- post included.

The above books have all been compiled by experts and will make valuable and profitable additions to your technical library. Your usual wholesaler can supply, or copies will be sent by return of post if you send remittance to:

THE CHEMIST & DRUGGIST, 28, ESSEX STREET, STRAND, LONDON, W.C.2



'TRILENE' IN OBSTETRIC ANALGESIA

The inhalation of 'Trilene' is recognised as a safe and efficient means of producing a deep and constant plane of analgesia which can easily be maintained without loss of consciousness.

Various inhalers have been designed for the auto-administration of 'Trilene'-air mixtures by the patient, and these have proved particularly valuable for relieving labour pains in childbirth. Used in this way 'Trilene' provides adequate analgesia which is safe for mother and infant. There are no contra-indications and recovery is rapid with no unpleasant after-effects. The apparatus required is simple and portable and the co-operation of the patient is readily secured.

'Trilene' is supplied in containers of 250 c.c. and 500 c.c.

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MANCHESTER



Ph.247

The
CHEMIST AND DRUGGIST

JULY 24, 1948

*The ethical medical preparation
for the treatment of Asthma*



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